

**A proposal for optimisation of low-powered FSM testing**

**Brik, Marina; Fomina, Jelena; Ubar, Raimund-Johannes** Proceedings of IEEE East-West Design & Test Workshop (EWDWTW'05) : Odessa, Ukraine, September 15-19, 2005 2005 / p. 15-20

**A Q-model approach to decomposition and aggregation of specifications of real-time systems**

**Paluoja, Rein** Proceedings of the 7th EUROMICRO Workshop on Real-Time Systems : Odense, Denmark, June 14-16, 1995 1995 / p. 213-221

**A quadratic programming approach to output and robust controller design**

**Nurges, Ülo; Rüstern, Ennu** Proceedings of the 3rd International Conference on Control Theory and Applications : Pretoria, South Africa, December 2001 2001 / p. 113-117

**A robust detector for impulsive noise environment**

**Trump, Tõnu** Proceedings of the Forty-first Asilomar Conference on Signals, Systems and Computers : Asilomar, USA, November 4-7, 2007 2007 / ? p <https://ieeexplore.ieee.org/document/4487311/keywords#keywords>

**A robust detector for uniformly distributed noise**

**Trump, Tõnu** Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing : ICASSP 2010 : Dallas, Texas, USA, 14-19 March 2010 2010 / p. 3870-3873

**A rule-based approach to Web-based application development**

**Tammet, Tanel; Haav, Hele-Mai; Kadarpik, Vello; Kääramees, Marko** 2006 Seventh International Baltic Conference on Databases and Information Systems : Vilnius, Lithuania, 3-6 July 2006 : proceedings 2006 / p. 202-208

**A scalable model based RTL framework zamiaCAD for static analysis**

**Tšepurov, Anton; Jenihhin, Maksim; Raik, Jaan; Tihhomirov, Valentin** 2012 IEEE/IFIP 20th International Conference on VLSI and System-on-Chip (VLSI-SoC) : October 7-10, 2012 Santa Cruz, USA Dream Inn, Santa Cruz, USA : [proceedings] 2012 / p. 171-176 : ill <https://www.semanticscholar.org/paper/A-scalable-model-based-RTL-framework-zamiaCAD-for-Tsepurov-Bartsch/d19eefa44f793621d537c06498784e06e0332fd2>

**A scalable multi-agent architecture in environments with limited connectivity : case study on individualised care for healthy pregnancy**

**Mahunnah, Msury; Taveter, Kuldar** 2013 7th IEEE International Conference on Digital Ecosystems and Technologies (DEST) : special theme - smart planet and cyber physical systems as embodiment of digital ecosystems : Menlo Park, California, USA, 24-26 July 2013 2013 / p. 84-89 : ill

**A simple modular active power electronic transformer**

**Roasto, Indrek;** Strzelecki, Ryszard Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 1976-1980 : ill

**A solution to perceptual aliasing through probabilistic fuzzy logic and SIFT**

**Qamar, Syeda Madiha; Iqbal, Khawaja Fahad; Muhammad, Naveed** 2013 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : Mechatronics for Human Wellbeing : July 9-12, 2013, Wollongong, Australia 2013 / p. 1393-1398 : ill

**A test-bed for time-sensitive agents - some involved problems**

**Mõtus, Leo;** Meriste, Merik; Kelder, Tõnis; Helekivi, Jüri; Kimlaychuk, Vadim 9th IEEE Conference on Emerging Technologies and Factory Automation (ETFA'2003) : Calouste Gulbenkian Foundation, Lisbon, Portugal, 16-19 September 2003. 2 2003 / p. 645-651 <https://ieeexplore.ieee.org/document/1248759>

**A two-stage approach to 2D DOA estimation for a compact circular microphone array**

**Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören** 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [proceedings] 2015 / [6] p. : ill

**A two-stage approach to 2D DOA estimation for a compact circular microphone array**

**Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören** 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [abstracts] 2015 / p. 74-75

**About robustness of test patterns regarding multiple faults**

**Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan** LATW 2012 : 13th IEEE Latin-American Test Workshop proceedings : April 10th-13th, 2012, Quito, Ecuador 2012 / p. 86-91 : ill <https://www.infona.pl/resource/bwmeta1.element.ieee-art-000006261243>

**About suitability of condensing power plants to power distribution system**

**Astapov, Victor; Šuvalova, Jelena** 4th International Youth Conference on Energy : 6-8 June, 2013, Siófok, Hungary : [proceedings] 2013 / [5] p. : ill

**Abstraction of clock interface for conversion of RTL VHDL to SystemC**

**Saif Abrar, Syed; Jenihhin, Maksim; Raik, Jaan** 2014 IEEE International Advance Computing Conference (IACC) : February 21-22, 2014, Gurgaon, India 2014 / p. 50-55 : ill

**AC losses analysis approaches for electric vehicle motors with hairpin winding configuration**

Shams Ghahfarokhi, Payam; Podgornovs, Andrejs; Marques Cardoso, Antonio J.; **Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas** IECON 2021 - 47th Annual Conference of the IEEE Industrial Electronics Society, 2021 2021 / p. 1-4 : ill  
<https://doi.org/10.1109/IECON48115.2021.9589339> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Accelerating transient fault injection campaigns by using Dynamic HDL Slicing**

**Bagbaba, Ahmet Cagri; Jenihhin, Maksim; Raik, Jaan;** Sauer, Christian 2019 IEEE Nordic Circuits and Systems Conference (NORCAS) : NORCHIP and International Symposium of System-on-Chip (SoC), 29-30 October 2019, Helsinki, Finland : proceedings in IEEE Xplore 2019 / 7 p. : ill <https://doi.org/10.1109/NORCHIP.2019.8906932>

**Acceleration data acquisition and processing system for structural health monitoring**

**Herranen, Henrik; Kuusik, Alar; Saar, Tõnis; Reidla, Marko; Land, Raul; Märten, Olev; Majak, Jüri** 2014 IEEE International Workshop On Metrology For Aerospace : May 29-30, 2014, Benevento, Italy : proceedings 2014 / p. 244-248 : ill

**Accessibility and orbits for discrete-time nonlinear control systems**

Bartosiewicz, Zbigniew; **Kotta, Ülle;** Wyrwas, Małgorzata 60th IEEE Conference on Decision and Control, CDC 2021, Austin, 13-17 December 2021 2021 / p. 4594-4601 <https://doi.org/10.1109/CDC45484.2021.9682853> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Accessibility and system reduction of nonlinear time-delay control systems**

Bartosiewicz, Zbigniew; **Kaldmäe, Arvo;** Kawano, Yu; **Kotta, Ülle;** Pawluszewicz, Ewa; **Simha, Ashutosh;** Wyrwas, Małgorzata IEEE Transactions on Automatic Control 2021 / p. 3781-3788 <https://doi.org/10.1109/TAC.2020.3028566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Accuracy analysis of dual active bridge simulations under different integration methods**

Arena, Gabriele; **Vinnikov, Dmitri; Chub, Andrii;** de Carne, Giovanni 2022 AEIT International Annual Conference (AEIT) : October 3-5, 2022 2022 / p. 1-6 <https://doi.org/10.23919/AEIT56783.2022.9951711>

**Accuracy analysis of selected time series and machine learning methods for smart cities based on Estonian electricity consumption forecast**

**Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Korõtko, Tarmo;** Biechl, Helmuth 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 425-428 : ill  
<https://doi.org/10.1109/CPE-POWERENG48600.2020.9161690>

**Accuracy of voltage instrument transformers for harmonic measurements in Elering's 330-kV-transmission network**

Meyer, Jan; Stiegler, Robert; **Kilter, Jako** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 85-90 : ill  
<https://doi.org/10.1109/PQ.2016.7724094>

**Accuracy of voltage unbalance source assessment in three-phase three-wire electrical networks**

**Bolgov, Viktor;** Kalyuzhnyi, Dmitry Proceedings of the 2020 Ural Smart Energy Conference (USEC) : 2020 USEC, Ekaterinburg, Russia 13-15 November 2020 2020 / 4 p <https://doi.org/10.1109/USEC50097.2020.9281165>

**Accurate dialysis dose evaluation and extrapolation algorithms during online optical dialysis monitoring**

**Fridolin, Ivo; Karai, Deniss; Kostin, Sergei; Ubar, Raimund-Johannes** IEEE transactions on biomedical engineering 2013 / p. 1371-1377 : ill <https://doi.org/10.1109/TBME.2012.2234458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Acousto-mechanical instrumentation of multiscale hysteretic memristive properties of the skin with nonlinear time reversal imaging**

Dos Santos, Serge; **Lints, Martin; Masood, Ali; Salupere, Andrus** 2017 Cosmetic Measurements and Testing (COSMETIC 2017), Cergy-Pontoise, France, 6 - 7 June 2017 2017 / p. 16-19 : ill <http://dx.doi.org/10.1109/COMET.2017.8521466>

**Active and reactive power control of DFIG using optimized fractional order-PI controller**

Javed, Umar; Arshad, Muhammad Asad; **Shabbir, Noman; Kütt, Lauri; Rassõlkin, Anton** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 398-404 <https://doi.org/10.1109/PEMC48073.2021.9432608>

**Active blended learning as a tool focused on industry 5.0 at EuroTeQ Engineering University**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** 2024 IEEE Global Engineering Education Conference (EDUCON) : proceedings 2024 / p. 1-5 <https://doi.org/10.1109/EDUCON60312.2024.10578688>

**Active clamped dual current-fed bidirectional DC-DC converter for wide voltage range applications**

**Chauhan, Sachin; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830838>

**Active front end converters with voltage balancing capability**

**Verbytskyi, Ievgen; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Kyselova, Anna** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p <https://doi.org/10.1109/RTUCON62997.2024.10830902>

**Active front-end DC grid-forming converter design with power balancing capability**

**Verbytskyi, Ievgen; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p <https://doi.org/10.1109/ICDCM63994.2025.11144688>

**Active learning in remote electrical drive laboratory**

**Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 28-34 : ill <https://doi.org/10.1109/EDUCON.2015.7095946>

**Active learning of students with diverse goals and backgrounds in the light of Industry 4.0 requirements**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** Proceedings of the 2022 IEEE Global Engineering Education Conference (EDUCON) 2022 / p. 351-355 <https://doi.org/10.1109/EDUCON52537.2022.9766564>

**Active learning power electronics : a new assessment methodology**

**Raud, Zoja** EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T14-1 - T14-5

**Active learning-based mobile malware detection utilizing auto-labeling and data drift detection**

**Deng, Zhe; Hubert, Arthur; Ben Yahia, Sadok; Bahsi, Hayretudin** Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience, CSR 2024 2024 / p. 146 - 151 <https://doi.org/10.1109/CSR61664.2024.10679343> [Article at Scopus](#) [Article at WOS](#)

**Active power electronic transformer based on modular building blocks**

**Roasto, Indrek; Romero-Cadaval, Enrique; Martins, Joao** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5922-5927 : ill <https://doi.org/10.1109/IECON.2013.6700106> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Active redundancy in fault tolerance : A modular switch level solution with synchronous switching**

**Shirodkar, Aditya; Banavath, Satish Naik; Chub, Andrii; Mandrioli, Riccardo; Ricco, Mattia** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p <https://doi.org/10.1109/ICDCM63994.2025.11144667>

**Active redundancy in isolated DC-DC converters: A modular solution for fault tolerance**

**Shirodkar, Aditya; Banavath, Satish Naik; Yadav, Neelesh; Chub, Andrii; Mandrioli, Riccardo** 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 5 p <https://doi.org/10.1109/CPE-POWERENG63314.2025.11027280>

**Active-passive two-way ranging using UWB**

**Laadung, Taavi; Ulp, Sander; Alam, Muhammad Mahtab; Le Moullec, Yannick** 2020, 14th International Conference on Signal Processing and Communication Systems, (ICSPCS) December 14-16, 2020 – Virtual Conference : proceedings 2020 <https://doi.org/10.1109/ICSPCS50536.2020.9309999>

**Activity classification for real-time wearable systems : effect of window length, sampling frequency and number of features on classifier performance**

**Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert** 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES) : Kuala Lumpur, 4-8 December 2016 2016 / p. 460-464 : ill <https://doi.org/10.1109/IECBES.2016.7843493>

**Actual impact of heat pumps to energy performance of apartment buildings in Estonia**

**Reino, Arbo** Hamburg, Arvi 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982370>

**AC-voltage performance of field aged glass insulator strings**

**Hyvönen, Petri; Klüss, Joni; Taklaja, Paul** ICHVE 2014 : 2014 International Conference on High Voltage Engineering and Application : 8-11 September 2014, Poznan, Poland 2014 / [4] p. : ill

**AdAM: Adaptive Approximate Multiplier for Fault Tolerance in DNN Accelerators**

**Taheri, Mahdi; Cherezova, Natalia; Nazari, Samira; Azarpeyvand, Ali; Ghasempouri, Tara; Daneshtalab, Masoud; Raik, Jaan; Jenihhin, Maksim** IEEE transactions on device and materials reliability 2024 / p. 66-75 : ill <https://doi.org/10.1109/TDMR.2024.3523386>

#### **AdAM: adaptive fault-tolerant approximate multiplier for edge DNN accelerators**

**Taheri, Mahdi; Cherezova, Natalia; Nazari, Samira; Rafiq, Ahsan; Azarpeyvand, Ali; Ghasempouri, Tara; Daneshtalab, Masoud; Raik, Jaan; Jenihhin, Maksim** 2024 IEEE European Test Symposium (ETS): ETS 2024 : May 20-24, 2024, The Hague, Netherlands : proceedings 2024 <https://doi.org/10.1109/ETS61313.2024.10567161> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Adaptive algorithms for heart rate reconstruction**

**Hinrikus, Hiie; Meigas, Kalju; Kaik, Jüri; Lass, Jaanus** Proceedings of the First Joint BMES/EMBS Conference : Serving Humanity Advancing Technology, Oct. 13-16, 99, Atlanta, GA, USA 1999 / p. 320

#### **Adaptive chaotic class topper optimization to solve Non-convex CHPED problems in power systems**

**Gupta, Pradeep Kumar; Tuttlberg, Kaur; Kilter, Jako** 2024 IEEE PES Innovative Smart Grid Technologies - Asia (ISGT Asia) 2024 / 6 p. <https://doi.org/10.1109/ISGTAsia61245.2024.10876314>

#### **An adaptive class topper optimization for scheduling thermal generation with cubic fuel cost function**

**Gupta, Pradeep Kumar; Gupta, Anju Kumari; Tuttlberg, Kaur; Kilter, Jako** 2025 15th International Conference on Power, Energy, and Electrical Engineering (CPEEE) 2025 / p. 195-199 <https://doi.org/10.1109/CPEEE64598.2025.10987339>

#### **Adaptive equalizer for Mode S receiver**

**Tart, Allan; Trump, Tõnu** 2013 8th International Workshop on Systems, Signal Processing and their Applications (WoSSPA) : 12-15 May, 2013, Algiers, Algeria 2013 / p. 310-315 : ill

#### **Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol**

**Laadung, Taavi; Ulp, Sander; Fjodorov, Aleksei; Alam, Muhammad Mahtab; Le Moullec, Yannick** IEEE Access 2023 / p. 92575-92588 <https://doi.org/10.1109/ACCESS.2023.3308696> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adaptive futures : scalability for real-world computing**

**Helander, Johannes; Serg, Risto; Veanes, Margus; Roy, Pritam** Proceedings of 28th IEEE International Real-Time Systems Symposium : Tucson, Arizona, 3-6 December 2007 2007 / p. 105-116 : ill <https://ieeexplore.ieee.org/document/4408296/keywords#keywords>

#### **Adaptive Kalman filter based data aggregation in fault-resilient Underwater Sensor Networks**

**Vihman, Lauri; Raik, Jaan** 2023 24th International Conference on Digital Signal Processing (DSP) 2023 / p. 1-5 <https://doi.org/10.1109/DSP58604.2023.10167982>

#### **Adaptive LQR controller for Networked Control Systems subjected to random communication delays**

**Srinivasan, Seshadri; Vallabhan, Mishiga; Ramaswamy, Srin; Kotta, Ülle** American Control Conference (ACC), 2013 : 17 - 19 June 2013, Washington, DC, USA (2013) 2013 / p. 783 - 787 <https://doi.org/10.1109/acc.2013.6579931> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids**

**Fawzy, Asmaa; Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Atawi, Ibrahim E.; Roshdy, Mohamed** IEEE Access 2021 / p. 109718 - 109731 <https://doi.org/10.1109/ACCESS.2021.3101887> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An adaptively tunable model of the cardiac signal for the bio-impedance signal decomposer (BISD)**

**Krivošei, Andrei; Kuk, Vello; Min, Mart** MeMeA 2008 : IEEE International Workshop on Medical Measurements and Applications : 9-10 May 2008, Ottawa, Ontario, Canada 2008 / p. 49-52

#### **Adaptively undersampled image processing for fast multiline laser detection**

**Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul** 2013 IEEE 8th International Symposium on Intelligent Signal Processing (WISP 2013) : proceedings 2013 / p. 60-64 : ill [CD-ROM]

#### **Adaptive-rate inductive impedance based coin validation**

**Märten, Olev; Land, Raul; Gavrijaševa, Alina; Mölder, Ago** 2011 IEEE 7th International Symposium on Intelligent Signal Processing (WISP) : Floriana, Malta, September 19-21, 2011 : proceedings 2011 / p. 122-125: ill

#### **ADAssure : debugging methodology for autonomous driving control algorithms**

**Roberts, Andrew James; Heidari Iman, Mohammad Reza; Bellone, Mauro; Ghasempouri, Tara; Raik, Jaan; Maennel, Olaf Manuel; Hamad, Mohammad; Steinhorst, Sebastian** 2024 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2024 / p. 1-6 <https://doi.org/10.23919/DATE58400.2024.10546519>

#### **Additional specialty of a technical teacher for engineers afforded in continuing education at Tallinn University of Technology**

**Rüütmann, Tiia** Proceedings of 2016 13th International Conference on Remote Engineering and Virtual Instrumentation (REV) : 24-26 February 2016 in Madrid, Spain 2016 / p. 43-47 : ill <https://doi.org/10.1109/REV.2016.7444438>

#### **Additive design possibilities of electrical machines**

**Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659828>

#### **Additive manufacturing of prototype axial flux switched reluctance electrical machine**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton** 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 4 p. : ill <https://doi.org/10.1109/IWED52055.2021.9376337>

#### **Additively manufactured and topology optimized heatsink for a propulsion motor**

**Sarap, Martin; Kallaste, Ants; Vaimann, Toomas;** Ghahfarokhi, Payam Shams 2024 International Conference on Electrical Machines (ICEM) 2024 / 6 p <https://doi.org/10.1109/ICEM60801.2024.10700108>

#### **Address-based data processing over N-ary trees**

Sklyarov, Valery; Skliarova, Ioulia; **Kruus, Margus; Mihhailov, Dmitri; Sudnitsõn, Aleksander** EuroCon 2013 : 01-04 July 2013, Zagreb, Croatia 2013 / p. 1790-1797 : ill

#### **Addressing cross-coupling issues in magnetically integrated three-port DC-DC converters**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei;** Sohail, Umer; **Chub, Andrii** 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 5 p <https://doi.org/10.1109/PEMC61721.2024.10726373>

#### **Adjoint polynomial formulas for nonlinear state-space realization**

**Belikov, Juri; Kotta, Ülle; Tõnso, Maris** IEEE transactions on automatic control 2014 / p. 256-261  
<https://doi.org/10.1109/TAC.2013.2270868> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Adjustable self-healing methodology for accelerated functions in heterogeneous systems**

Riazati, Mohammad; **Ghasempouri, Tara; Daneshtalab, Masoud; Raik, Jaan;** Sjodin, Mikael; Lisper, Bjorn 2020 23rd Euromicro Conference on Digital System Design (DSD), 26-28 August 2020, Kranj, Slovenia 2020 / p. 638-645  
<https://doi.org/10.1109/DSD51259.2020.00104>

#### **Adjusted electrical equivalent circuit model of induction motor with broken rotor bars**

**Rassõlkin, Anton; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants;** Petrov, Aleksei; Plokhov, Igor; Kotelnikov, Aleksandr PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 213-218 : ill <https://doi.org/10.1109/PQ.2016.7724115>

#### **Adjusted electrical equivalent circuit model of induction motor with broken rotor bars and eccentricity faults**

Petrov, Aleksei; Plokhov, Igor; **Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar** Proceeding of the 2017 IEEE 11th International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives (SDEMPED) : [Tinos (Greece), August 29 - September 01, 2017] 2017 / p. 58-64 : ill <https://doi.org/10.1109/DEMPED.2017.8062334>

#### **ADSecData platform: an open-source data platform for autonomous driving cybersecurity**

**Roberts, Andrew James; Malayjerdi, Mohsen; Bellone, Mauro; Sell, Raivo; Maennel, Olaf Manuel; Hamad, Mohammad; Steinhorst, Sebastian** 2025 IEEE 101st Vehicular Technology Conference, VTC2025-Spring, 17-20 June 2025, Oslo, Norway 2025 / 7 p <https://www.etis.ee/Portal/Publications/Display/d6c0e7e7-c789-4c27-ae91-aabd943e3e7f>

#### **ADSecLang: a domain-specific language for cybersecurity testing of autonomous vehicles**

**Roberts, Andrew James; Cheng, Jingyue; Maennel, Olaf Manuel; Hamad, Mohammad; Steinhorst, Sebastian** 2025 IEEE 101st Vehicular Technology Conference, VTC2025-Spring, 17-20 June 2025, Oslo, Norway 2025 / 6 p  
<https://www.etis.ee/Portal/Publications/Display/a8bb1234-4dfd-46f5-aae6-19bf25b2f222>

#### **Advanced condition monitoring method for high voltage overhead lines based on visual inspection**

**Manninen, Henri; Kilter, Jako; Landsberg, Mart** 2018 IEEE Power & Energy Society General Meeting (PESGM 2018) : Portland, Oregon, USA, 5-10 August 2018 2018 / p. 2321-2325 : ill <https://doi.org/10.1109/PESGM.2018.8586498>

#### **Advanced methodology for estimation of value of lost load (VOLL) using equipment specific health indices**

**Manninen, Henri; Kilter, Jako; Landsberg, Mart** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p  
<https://doi.org/10.1109/PQ.2019.8818245>

#### **Advancements and restrictions of E-assessment in view of remote learning in engineering**

**Raud, Zoja; Vodovozov, Valery** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill  
<https://doi.org/10.1109/RTUCON48111.2019.8982349>

### **Aerial base station assisted cellular communication : performance and trade-off**

**Sharma, Navuday;** Kumar, Atul; **Alam, Muhammad Mahtab;** Jindal, Anish; Imran, Muhammad Ali IEEE Transactions on Network Science and Engineering 2021 / p. 2765-2779 <https://doi.org/10.1109/TNSE.2021.3052984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Aerial imagery terrain classification for long-range autonomous navigation**

Hudjakov, Robert; **Tamre, Mart** Proceedings of International Symposium on Optomechatronic Technologies : ISOT 2009 2009 / p. 88-91 <https://ieeexplore.ieee.org/document/5326104>

### **Against the flow : a Braitenberg controller for a fish robot**

**Salumäe, Taavi;** Rano, Inaki; Akanyeti, Otar; **Kruusmaa, Maarja** 2012 IEEE International Conference on Robotics and Automation : ICRA : Saint Paul, Minnesota, USA, May 14-18, 2012 2012 / p. 4210-4215 : ill <https://ieeexplore.ieee.org/document/6225023>

### **Agent-oriented knowledge elicitation for modeling the winning of "Hearts and Minds"**

**Shvartsman, Inna;** **Taveter, Kuldar** Proceedings of the Federated Conference on Computer Science and Information Systems : FedCSIS 2011 : Szczecin, Poland, 18-21 September 2011 2011 / p. 604-608 : ill [https://kodu.ut.ee/~kuldarta/Papers/Fail\\_SK2011.pdf](https://kodu.ut.ee/~kuldarta/Papers/Fail_SK2011.pdf)

### **Agent-oriented modelling for simulation of complex environments**

**Shvartsman, Inna;** **Taveter, Kuldar;** Parmak, Merle; **Meriste, Merik** Proceedings of the International Multiconference on Computer Science and Information Technology (IMCSIT 2010) : Wisla, Poland, 18-20.10.2010 2010 / p. 209-216 : ill <https://annals-csis.org/proceedings/2010/pliks/177.pdf>

### **Aggregated energy flexibility provision using residential heat pumps**

**Plaum, Freddy;** **Ahmadihangar, Roya;** **Rosin, Argo** 2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 5 I <https://doi.org/10.1109/CPE-POWERENG54966.2022.9880898>

### **Aggregator based coordinated Transactive Energy trading between Microgrids**

**Crasta, Cletus J.;** **Mishra, Sambeet;** **Agabus, Hannes;** **Palu, Ivo** 2020 International Conference on Smart Grids and Energy Systems (SGES) 2020 <https://doi.org/10.1109/SGES51519.2020.00166>

### **Aggregator index for 24-hour energy flexibility evaluation in an ADN including PHEVs**

Rashtbaryan, A.; Gharehpetian, Gevorg B.; Baghaee, H. R.; **Ahmadihangar, Roya** IEEE Access 2024 / p. 16105-16116 <https://doi.org/10.1109/ACCESS.2024.3353136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Agility of capability development : the multiple-case study of Ericsson, Google, Microsoft and Nokia**

Kolk, Alar; **Rungi, Mait** IEEM 2013 : 10-13 December 2013, Bangkok, Thailand : 2013 IEEE International Conference on Industrial Engineering and Engineering Management : [programme and abstracts] 2013 / p. 53

### **AI applications for power quality issues in distribution systems : A systematic review**

**Nabian Dehaghani, Mitra;** **Korötko, Tarmo;** **Rosin, Argo** IEEE Access 2025 / p. 18346-18365 2025 <https://doi.org/10.1109/ACCESS.2025.3533702>

### **AI generated route data pre-processing for faster decision making**

Maas, Rene; Ševtšenko, Eduard; **Karaulova, Tatjana** 2024 8th International Young Engineers Forum on Electrical and Computer Engineering (YEF-ECE) 2024 / p. 82-87 <https://doi.org/10.1109/YEF-ECE62614.2024.10625086>

### **AI technologies and their applications in small-scale electric power systems**

**Shahid, Arqum;** **Plaum, Freddy;** **Korötko, Tarmo;** **Rosin, Argo** IEEE Access 2024 / p. 109984-110001 <https://doi.org/10.1109/ACCESS.2024.3440067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Air-core coupled inductor based modular solid-state circuit breaker with reduced components for DC buildings**

Pogulaguntla, Aditya; Dsa, Daniel; Yagna, Griddaluru Venkata; Banavath, Satish Naik; **Carvalho da Silva, Edivan Laercio;** **Chub, Andrii;** **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in power electronics 2024 / 12 p <https://doi.org/10.1109/JESTPE.2024.3485735>

### **AIS data analysis: reality in the Sea of Echos**

**Visky, Gabor;** Rohl, Alexander; Katsikas, Sokratis; **Maennel, Olaf Manuel** 2024 IEEE 49th Conference on Local Computer Networks (LCN) 2024 / 7 p <https://doi.org/10.1109/LCN60385.2024.10639765>

### **Algorithm for restructuring of structurally synthesized BDDs**

**Jürimägi, Lembit;** **Ubar, Raimund-Johannes** 2019 IEEE 31st International Conference on Microelectronics : Niš, Serbia September 16th-18th, 2019 : proceedings 2019 / p. 239-242 : ill <https://doi.org/10.1109/MIEL.2019.8889578>

### **Ameliorated quantum class topper optimization to solve economic load dispatch problems**

**Gupta, Pradeep Kumar;** Kumari Gupta, Anju; **Tuttelberg, Kaur;** **Kilter, Jako** 2024 3rd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED) 2024 / 5 p <https://doi.org/10.1109/SyNERGYMED62435.2024.10799422>

### **American sign language character recognition using convolutional neural networks**

Abdullah, Atesam; Ali, Nisar; Ali, Raja Hashim; **Abideen, Zain Ul**; Ijaz, Ali Zeeshan; Bais, Abdul 2023 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE) : Regina, SK, Canada, 24-27 September 2023 / p. 165-169  
<https://doi.org/10.1109/CCECE58730.2023.10288799>

### **An Accelerator-based architecture utilizing an efficient memory link for modern computational requirements**

Yousefzadeh, Saba; Basharkhah, Katayoon; **Raik, Jaan**; **Jenihhin, Maksim** 2019 IEEE East-West Design & Test Symposium (EWDTS) 2019 / 6 p. : ill <https://doi.org/10.1109/EWDTS.2019.8884481>

### **An ad-hoc implementation of a remote laboratory**

**Azad, Siavoosh Payandeh**; Kinks, Hannes; **Tajammul, Muhammad Adeel**; **Ellervee, Peeter** 2015 International Conference on Microelectronic Systems Education : MSE '15 : Pittsburgh, PA, May 20-21, 2015 / p. 48-51 : ill  
<http://dx.doi.org/10.1109/MSE.2015.7160015>

### **An application - a web-based electrical drives laboratory : objectives, structure and experiments**

**Rosin, Argo**; **Möller, Taavi**; **Höimoja, Hardi** IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society. ICELE 2009 : 3rd IEEE International Conference on E-learning in Industrial Electronics : Porto, Portugal, 3-5 November 2009 : abstracts 2009 / p. 392 <https://ieeexplore.ieee.org/document/5413215/>

### **An automatic approach to evaluate assertions' quality based on data-mining metrics**

**Ghasempouri, Tara**; **Niazmand, Behrad**; **Raik, Jaan** Proceedings 2nd IEEE International Test Conference in Asia : ITC-Asia 2018, 15-17 August 2018, Harbin, China 2018 / p. 61-66 : ill <https://doi.org/10.1109/ITC-Asia.2018.00021>

### **An enhancement of the driver distraction detection and evaluation method based on computational intelligence algorithms**

**Aksjonov, Andrei**; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard** 2018 IEEE 16th International Conference on Industrial Informatics (INDIN 2018) : Porto, Portugal, 18-20 July 2018 / p. 201-206 : ill <https://doi.org/10.1109/INDIN.2018.8472045>

### **An expectation-based approach to policy-based security of the Border Gateway Protocol**

Li, Jun; Stein, Josh; Zhang, Mingwei; **Maennel, Olaf Manuel** 2016 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS) : GI 2016 : IEEE Global Internet Symposium : April 10-14, 2016, San Francisco, CA, USA 2016 / p. 340-345 : ill <https://doi.org/10.1109/INFCOMW.2016.7562098> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **An external test approach for network-on-a-chip switches**

**Raik, Jaan**; **Govind, Vineeth**; **Ubar, Raimund-Johannes** 2002-2011 : 20th Anniversary compendium of papers from Asian Test Symposium 2011 / p. 185-190 : ill

### **An improved high-power DC/DC converter for distributed power Generation [Electronic resource]**

**Vinnikov, Dmitri**; **Roasto, Indrek**; **Jalakas, Tanel** EPQU'09 : 10th International Conference on Electrical Power Quality and Utilisation : 15-17 September 2009, Lodz, Poland 2009 / [6] p. [CD-ROM]

### **An integrated approach for the identification of compact, interpretable and accurate Fuzzy rule-based classifiers from data**

**Riid, Andri**; **Rüstern, Ennu** INES 2011 : 15th International Conference on Intelligent Engineering Systems : June 23-25, 2011, Poprad, Slovakia 2011 / p. 101-107 : ill <https://ieeexplore.ieee.org/document/5954728>

### **An interleaved ZVS high step-up converter for renewable energy systems applications**

Nouri, Tohid; Branch, Sari; Shانه, Mahdi; Benbouzid, Mohamed; **Vosoughi Kurdkandi, Naser** IEEE Transactions on Industrial Electronics 2022 / p. 4786-4800 <https://doi.org/10.1109/TIE.2021.3080211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An IoT course program to foster the adoption of IoT driven food and agriculture in Sub-Saharan Africa (SSA)**

Kuaban, Godlove Suila; Nowak, Mateusz; Czekalski, Piotr; Tokarz, Krzysztof; Tanka, ulius Kewir; Siggursson, Kjartan; Nikitenko, Agris; Berkolds, Karlis; **Sell, Raivo** 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2022 / p. 1-7 <https://doi.org/10.1109/ICECET55527.2022.9872825>

### **An ontology-based intelligent learning object for teaching the basics of digital logic**

**Robal, Tarmo**; **Kann, Taavi**; **Kalja, Ahto** 2011 IEEE International Conference on Microelectronic Systems Education (MSE) : 5-6 June 2011, San Diego, CA, USA 2011 / p. 106-107

### **An output signal based combination of three LMS adaptive filters**

**Trump, Tõnu** 2013 18th International Conference on Digital Signal Processing (DSP) : [proceedings] 2013 / [6 p.] : ill

### **An output signal based combination of two NLMS adaptive algorithms**

**Trump, Tõnu** 16th International Conference on Digital Signal Processing : July 5-7, 2009, Santorini, Greece 2009 / ? p <https://ieeexplore.ieee.org/abstract/document/5201077>

**An SVM scheme for three-level quasi-switched boost T-type inverter with Enhanced voltage gain and capacitor voltage balance**

Tran, Vinh-Thanh; Nguyen, Minh-Khai; Do, Duc-Tri; **Vinnikov, Dmitri** IEEE transactions on power electronics 2021 / p. 11499-11508  
<https://doi.org/10.1109/TPEL.2021.3071011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An ultrafast EV charging station demonstrator [Electronic resource]**

**Höimoja, Hardi**; Rufer, Alfred; Dziechciaruk, Grzegorz; Vezzini, Andrea SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 1390-1395 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6264617>

**An XML-based test development and deployment framework for mixed-signal and digital devices**

**Mellik, Andres; Raik, Jaan** 2008 IEEE AUTOTESTCON. Vols. 1 and 2 2008 / p. 193-196

**Analysis and categorization of enterprises for agent-based automation**

**Kirikal, Kristi; Taveter, Kuldar** 2010 19th IEEE International Workshop on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE) : proceedings : Larissa, Greece, June 28-30, 2010 2010 / p. 29-34 : ill

**Analysis and design of asymmetric quad-active-bridge converter**

**Chub, Andrii**; Costa, Levy; Liserre, Marco IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society : proceedings : China National Convention Center, Beijing, China, 29. October - 01. November, 2017 2017 / p. 5367-5372 : ill  
<https://doi.org/10.1109/IECON.2017.8216930>

**Analysis and development of protection and control functions for Li-Ion based prosumers provided by low voltage part of distribution substation [Electronic resource]**

**Korötko, Tarmo; Mägi, Marek; Peterson, Kristjan; Teemets, Raivo; Pettai, Elmo** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 19-24 : ill [CD-ROM]

**Analysis and evaluation of PWM and PSM shoot-through control methods for voltage-fed qZSI based DC/DC converters**

**Roasto, Indrek; Vinnikov, Dmitri** EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T3-100 - T3-105

**Analysis and improvement of resilience for long short-term memory neural networks**

**Ahmadilivani, Mohammad Hasan; Raik, Jaan; Daneshtalab, Masoud; Kuusik, Alar** 2023 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) 2023 / 4 p <https://doi.org/10.1109/DFT59622.2023.10313559>

**Analysis and static mode optimization of simultaneous inductive and capacitive coupled wireless power transfer system**

**Shevchenko, Viktor**; Pakhaliuk, Bohdan; **Husev, Oleksandr; Vinnikov, Dmitri**; Strzelecki, Ryszard; Khomenko, Maksym 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 5 p <https://doi.org/10.1109/RTUCON60080.2023.10413112>

**Analysis of a reconfigurable non-isolated DC-DC converter for DC microgrid applications**

**Yadav, Vinod Kumar; Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p  
<https://ieeexplore.ieee.org/document/11144731> <https://doi.org/10.1109/ICDCM63994.2025.11144731>

**Analysis of a slow-speed slotless permanent magnet synchronous generator**

**Tuttelberg, Kaur; Vaimann, Toomas; Kallaste, Ants** 4th International Youth Conference on Energy 2013 : [proceedings] 2013 / p. 1-5 : ill

**Analysis of advanced passive heatsinks for electrical machines enabled by additive manufacturing**

**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Vaimann, Toomas** 2023 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/WEMDCD55819.2023.10110940>

**Analysis of autonomous driving software to low-level sensor cyber attacks**

**Roberts, Andrew James; Malayjerdi, Mohsen; Bellone, Mauro; Sell, Raivo; Maennel, Olaf Manuel; Hamad, Mohammad; Steinhorst, Sebastian** 20th International Conference on Software Engineering for Adaptive and Self-Managing Systems, SEAMS 2025, 28-29 April 2025, Ottawa, Ontario, Canada 2025 / 11 p <https://www.etis.ee/Portal/Publications/Display/c612b9a7-7a51-4621-b2d2-76ec03764667>

**Analysis of black start strategies for microgrids with renewable distributed generation**

**Armstorfer, Andreas**; Biechl, Helmut; **Rosin, Argo** IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 2121-2125 : ill <https://doi.org/10.1109/IECON.2019.8926631> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Analysis of buck mode realization possibilities in quasi-Z-source DC-DC converters with voltage doubler rectifier**

**Zakis, Janis; Rankis, Ivars; Liivik, Liisa; Chub, Andrii** 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 570-575 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266379>

**Analysis of capacitor-related mid-voltage point shift problems in high-voltage half-bridge DC/DC converters**

**Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu** Proceedings of 2008 IEEE 39th Annual Power Electronics Specialists Conference : PESC 2008 : Rhodes, Greece, 15-19 June 2008 2008 / p. 3619-3622

**Analysis of common mode and rapidly varying voltage profile on stator current harmonics of an inverter-fed induction motor**

**Sardar, Muhammad Usman; Vaimann, Toomas; Kütt, Lauri; Kallaste, Ants; Asad, Bilal; Kudelina, Karolina; Akbar, Siddique** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/RTUCON60080.2023.10413067>

**An analysis of community structure detection for educational coopetition**

**Übi, Jaan; Liiv, Innar; Übi, Evald; Võhandu, Leo** 2013 Second International Conference on e-Learning and e-Technologies in Education (ICEEE 2013) : proceedings of a meeting held 23-25 September 2013, Lodz, Poland 2013 / p. 104-109 : ill

**Analysis of competency-based learning - 6 years later**

**Umbleja, Kadri; Kukk, Vello; Jaanus, Martin** Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON) : 25-28 April 2017, Athens, Greece 2017 / p. 165-174 : ill <https://doi.org/10.1109/EDUCON.2017.7942843>

**Analysis of consumer energy flexibility and applicability for power system**

**Metsik, Merilin; Rosin, Argo; Maask, Vahur; Agabus, Hannes** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p <https://doi.org/10.1109/RTUCON62997.2024.10830882>

**Analysis of cost function composition based on the horizon time prediction of an indirect MPC current control in single-phase grid-connected PV inverters**

**Pimentel, Sergio Pires; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982377>

**Analysis of design requirements and optimization possibilities of partial power converter for photovoltaic string applications in DC microgrids**

**Chub, Andrii; Hassanpour, Naser; Yadav, Neelesh; Jalakas, Tanel; Blinov, Andrei; Vinnikov, Dmitri** IEEE Access 2024 / p. 14605-14619 <https://doi.org/10.1109/ACCESS.2024.3354375> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor**

**Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; Belahcen, Anouar** IEEE transactions on magnetics 2021 / art. 9277612, 8 p. : ill <https://doi.org/10.1109/TMAG.2020.3041703> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of harmonic current stability and summation of LED lamps**

**Jarkovoi, Marek; Iqbal, Muhammad Naveed; Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill <https://doi.org/10.1109/PQ.2019.8818237>

**Analysis of holdup time for DC grid-forming isolated active front-end converters**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9969075> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Analysis of keyword spotting performance across IARPA Babel languages**

**Hartmann, William; Karakos, Damianos; Hsiao, Roger; Zhang, Le; Alumäe, Tanel; Tsakalidis, Stavros; Schwartz, Richard** 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 5765-5769 : ill <https://doi.org/10.1109/ICASSP.2017.7953261> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Analysis of microgrid configuration effects on energy efficiency**

**Peterson, Kristijan; Ahmadihangar, Roya; Shabbir, Noman; Vinnal, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/>

**Analysis of off-grid power supply for sparsely populated areas**

**Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor; Kallaste, Ants** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 175-179 : ill

### **Analysis of operating modes of the novel isolated interface converter for PMSG based wind turbines**

**Bisenieks, Lauris; Vinnikov, Dmitri; Zakis, Janis** POWERENG2011 : proceedings of the 2011 International Conference on Power Engineering, Energy and Electrical Drives : Torremolinos (Málaga), Spain, May 11-13, 2011 / [8] p.: ill <https://ieeexplore.ieee.org/document/6036538>

### **Analysis of oscillation suppression methods in the AC-AC stage of high frequency link converters**

**Korkh, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p.: ill <https://doi.org/10.1109/RTUCON48111.2019.8982259>

### **Analysis of the applicability of PMU measurements for power quality assessment**

**Löper, Mari; Trummel, Tarmo; Kilter, Jako** 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Sarajevo, Bosnia and Herzegovina, October 21-25, 2018 : proceedings 2018 / 6 p <https://doi.org/10.1109/ISGTEurope.2018.8571618>

### **Analysis of the program for continuing education of technical teachers on the basis of graduates' feedback results**

**Rüütman, Tiia; Kipper, Hants** Proceedings of 2014 International Conference on Interactive Collaborative Learning (ICL) : 03-06 December 2014, Dubai, UAE 2014 / p. 7-12 : ill

### **Analysis of the use of supercapacitors and batteries as energy storage elements for off-grid hybrid photovoltaic inverters**

Gonschorowski, E.; Cardoso, Rafael; **Carvalho da Silva, Edivan Laercio**; de Oliveira Stein, Carlos Marcelo; Carati, Emerson Giovanni; Denardin, Gustavo Weber; da Costa, Jean Patric 2023 IEEE 8th Southern Power Electronics Conference and 17th Brazilian Power Electronics Conference (SPEC/COBEP) 2023 / 7 p <https://doi.org/10.1109/SPEC56436.2023.10407182>

### **Analysis of the vibration magnitude of an induction motor with different numbers of broken bars**

Martinez, Javier; **Belahcen, Anouar**; Muetze, Annette IEEE transactions on industry applications 2017 / p. 2711-2720 : ill <https://doi.org/10.1109/TIA.2017.2657478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Analysis of transmission network short cable line sheath bonding methods**

**Kangro, Triin; Kilter, Jako** 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (IEEEIC / I&CPS Europe), 12-15 June 2018 : conference proceedings 2018 / 6 p.: ill <https://doi.org/10.1109/IEEEIC.2018.8493944>

### **Analysis of ventilation load flexibility depending on indoor climate conditions**

**Maask, Vahur; Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Korõtko, Tarmo** 2020 IEEE International Conference on Industrial Technology, Buenos Aires Institute of Technology (ITBA) Buenos Aires, Argentina, 26-28 February, 2020 : proceedings 2020 / p. 607-612 <https://doi.org/10.1109/ICIT45562.2020.9067153> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Analyzing and investigating encrypted traffic for social media application Instagram**

Iqbal, Hameed; Ahmad, Rizwan; Ahmed, Waqas; Qazi, Shams; **Alam, Muhammad Mahtab** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p.: ill <https://doi.org/10.1109/BEC56180.2022.9935603>

### **Analyzing side-channel attack vulnerabilities at RTL**

**Lai, Xinhui; Jenihhin, Maksim** 2023 IEEE 24th Latin American Test Symposium (LATS) 2023 / 2 p.: ill <https://doi.org/10.1109/LATS58125.2023.10154497>

### **Analyzing the dynamics and stability of DQ0 systems based on a Port-Hamiltonian approach**

Levron, Yoash; **Kaparin, Vadim; Belikov, Juri** 2019 27th Mediterranean Conference on Control and Automation (MED) 2019 / p. 410-415 : ill <https://doi.org/10.1109/MED.2019.8798495>

### **An analytic model for fault diagnosis in power distribution systems considering unreliable alarms**

Wang, Chongyu; Pang, Kaiyuan; Zhang, Yong; **Wen, Fushuan; Palu, Ivo**; Xiong, Wen; Chen, Minghui; Shang, Huiyu 2020 IEEE Power & Energy Society General Meeting (GM 2020) 2020 / 5 I <https://doi.org/10.1109/PESGM41954.2020.9281468>

### **Analytical evaluation of indoor energy harvesting technologies for WSNs with FYPsim framework**

**Ahmed, Faisal; Le Moullec, Yannick; Annus, Paul**; Mustufa, Y. S. Ashad 2016 International Conference on Industrial Informatics and Computer Systems (IIICS) : March 13-15, 2016, Dubai, UAE 2016 / [6] p.: ill <https://doi.org/10.1109/IIICSII.2016.7462423>

### **Analytical model including rotor eccentricity for bearingless synchronous reluctance motors**

Saarakkala, Seppo E.; Mukherjee, Victor; **Belahcen, Anouar** 2018 XIII International Conference on Electrical Machines (ICEM 2018) : Alexandroupoli, Greece, 3-6 September 2018 2018 / p. 1388-1394 : ill <https://doi.org/10.1109/ICELMACH.2018.8506892>

### **Animation in Conrad: informal analysis of timing properties**

**Kaldma, Tarmo; Mõtus, Leo; Paluoja, Rein; Tekko, Jaanus; Tommingas, Toomas** Proceedings : Sixth Euromicro Workshop on Real-Time Systems : June 15-17, 1994, Vaesteraas, Sweden 1994 / p. 220-225

### **Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets**

**Belahcen, Anouar;** Singh, Deepak; Rasilo, Paavo; Martin, Florian; Ghalamestani, Setareh Gorji; Vandeveld, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill <https://doi.org/10.1109/TMAG.2014.2361681> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **ANN-LSTM based tool for photovoltaic power forecasting**

**Zahraoui, Younes; Korötko, Tarmo;** Mekhilef, Saad; **Rosin, Argo** 2024 4th International Conference on Smart Grid and Renewable Energy (SGRE) : proceedings 2024 / 6 p. : ill <https://doi.org/10.1109/SGRE59715.2024.10428969>

### **Antidictionary-based cardiac arrhythmia classification for smart ECG sensors**

Duforest, Julien; Larras, Benoit; Frappe, Antoine; Deepu, John Deepu; **Märtens, Olev** 2022 IEEE International Symposium on Circuits and Systems (ISCAS) : proceedings 2022 / p. 414-418 : ill <https://doi.org/10.1109/ISCAS48785.2022.9937853> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Application and control of bidirectional T-type converter in hybrid bipolar AC/DC microgrid**

**Sassonker Elkayam, Moria; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144720>

### **An application of a low-cost microwave radar to traffic monitoring [Online resource]**

**Riid, Andri; Kaugerand, Jaanus; Ehala, Johannes; Jaanus, Martin;** Preden, Jürjo-Sören BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600962>

### **Application of an advanced repetitive controller to mitigate harmonics in MMC with APOD scheme**

Madichetty, Sreedhar; Dasgupta, Abhijit; **Mishra, Sambeet;** Panigrahi, Chinmoy Kumar; Basha, Ghouse IEEE transactions on power electronics 2016 / p. 6112-6121 : ill <https://doi.org/10.1109/TPEL.2015.2501314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of boundary conduction mode control in galvanically isolated buck-boost converter**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Chub, Andrii** 3rd International Conference on Smart Grid and Renewable Energy (SGRE) 2022 / p. 1-6 <https://doi.org/10.1109/SGRE53517.2022.9774105>

### **Application of cycle skipping modulation in buck-boost photovoltaic microconverters**

**Maheri, Hamed Mashinchi; Vinnikov, Dmitri; Chub, Andrii; Sidorov, Vadim;** Galkin, Ilja IEEE transactions on industry applications 2022 / p. 4804-4815 <https://doi.org/10.1109/TIA.2022.3163083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of extensible processing platforms for experiments with FPGA-based circuits**

Sklyarov, Valery; Skliarova, Ioulia; Silva, João; **Rjabov, Artjom; Sudnitsõn, Aleksander** MELECON 2014 : 2014 17th IEEE Mediterranean Electrotechnical Conference : 13-16 April 2014, Beirut, Lebanon 2014 / p. 467-471 : ill <https://doi.org/10.1109/MELCON.2014.6820579> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Application of genetic algorithms to neural networks based control of a liquid level tank system**

**Vassiljeva, Kristina; Belikov, Juri; Petlenkov, Eduard** 2014 International Joint Conference on Neural Networks (IJCNN) : July 6-11, 2014, Beijing, China 2014 / p. 2525-2530 : ill <https://doi.org/10.1109/IJCNN.2014.6889912> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Application of MPC to industrial water boiler control system in district heat plant**

**Vansovitš, Vitali; Petlenkov, Eduard; Vassiljeva, Kristina; Tepljakov, Aleksei; Belikov, Juri** 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 1609-1614 : ill

### **Application of neural networks based SANARX model for identification and control liquid level tank system**

**Belikov, Juri; Nömm, Sven; Petlenkov, Eduard; Vassiljeva, Kristina** 2013 12th International Conference on Machine Learning and Applications : ICMLA 2013 : 4-7 December 2013, Miami, Florida, USA : proceedings. Vol. 1 2013 / p. 246-251 : ill

### **Application of sequential test set compaction to LFSR reseeding**

**Aleksejev, Igor; Jutman, Artur; Raik, Jaan; Ubar, Raimund-Johannes** 26th Norchip Conference : Tallinn, Estonia, 17-18 November 2008 : formal proceedings 2008 / p. 102-107 : ill <http://dx.doi.org/10.1109/NORCHIP.2008.4738292>

### **Application of the LSTM models for Baltic Sea wave spectra estimation**

**Simon, Martin; Rikka, Sander; Nömm, Sven; Alari, Victor** IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 2023 / p. 83-88 : ill <https://doi.org/10.1109/JSTARS.2022.3220882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of transfer learning for instrument transformer condition monitoring**

**Asefi, Sajjad; Kilter, Jago;** Akroud, Nabil; Hurtado, Aritz; Gilbert, Ian; Orue, Inaki 2024 International Conference on Diagnostics in Electrical Engineering (Diagnostika) 2024 / 4 p <https://doi.org/10.1109/Diagnostika61830.2024.10693903>

**Application of volume bounding box decomposition for surgeon's hand gestures recognition**

**Nömm, Sven; Leibak, Alar; Vain, Jüri;** Miyawaki, Fujio IECON 2010 : 36th Annual Conference on IEEE Industrial Electronics Society : Glendale, Arizona, USA, 07 - 10 November, 2010 : proceedings 2010 / p. 1076-1080 : ill <https://ieeexplore.ieee.org/document/5675518>

**Application of volume bounding box decomposition for surgeon's hand gestures recognition**

**Nömm, Sven; Leibak, Alar; Vain, Jüri;** Miyawaki, Fujio Abstracts IECON 2010 - ICELIE 2010 : 36th Annual Conference of the IEEE Industrial Electronics Society, 4th International Conference on E-Learning in Industrial Electronics, IES Industry Forum 2010 : Arizona, USA, 7-10 November 2010 2010 / p. 102 <https://ieeexplore.ieee.org/document/5675518>

**Application specific true critical paths identification in sequential circuits**

**Jürimägi, Lembit; Ubar, Raimund-Johannes; Jenihhin, Maksim; Raik, Jaan; Devadze, Sergei; Oyeniran, Adeboye Stephen** 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS 2019) : 1-3 July 2019, Greece 2019 / p. 299-304 : ill <https://doi.org/10.1109/IOLTS.2019.8854442>

**Applications of digital twins for demand side recommendation scheme with consumer comfort constraints**

**Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard;** Levron, Yoash IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/ISGTEUROPE56780.2023.10407399>

**Application-specific hardware accelerator for implementing recursive sorting algorithms**

**Mihhailov, Dmitri;** Sklyarov, Valery; Skliarova, Iuliia; **Sudnitsõn, Aleksander** Proceedings of the IEEE International Conference on Field Programmable Technology (FPT'10) : Beijing, China Dec. 8-10, 2010 2010 / p. 269-272 : ill <https://ieeexplore.ieee.org/document/5681486>

**Applying reinforcement learning method for real-time energy management**

Borhan Dayani, Aida; **Fazlollahab, Hamed; Ahmadihangar, Roya; Rosin, Argo** 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) 2019 / 5 p. : ill <https://doi.org/10.1109/EEEIC.2019.8783766>

**Applying RIS-based communication for collaborative computing in a swarm of drones**

**Rahbari, Dadmehr; Alam, Muhammad Mahtab; Le Moullec, Yannick; Jenihhin, Maksim** IEEE Access 2023 / p. 70093-70109 <https://doi.org/10.1109/ACCESS.2023.3293737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**APPRAISER : DNN fault resilience analysis employing approximation errors**

**Taheri, Mahdi; Ahmadilivani, Mohammad Hasan; Jenihhin, Maksim; Daneshtalab, Masoud; Raik, Jaan** 2023 26th International Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS) 2023 / p. 124-127 : ill <https://ddecs2023.taltech.ee/> <https://doi.org/10.1109/DDECS57882.2023.10139468>

**Approaches for improving VoIP QoS in WMNs**

**Meeran, Mohammad Tariq; Annus, Paul; Le Moullec, Yannick** 2017 International Conference on Electrical Engineering and Computer Science (ICECOS 2017) : Palembang, Indonesia, 22-23 August 2017 2017 / p. 22-27 : ill <https://doi.org/10.1109/ICECOS.2017.8167138>

**APRICOT : a framework for teaching digital systems verification**

**Raik, Jaan; Jenihhin, Maksim; Tšepurov, Anton; Reinsalu, Uljana; Ubar, Raimund-Johannes** 19th EAAEIE Annual Conference : June 29-July 2, 2008, Tallinn, Estonia : formal proceedings 2008 / p. 172-177 : ill <http://dx.doi.org/10.1109/EAAEIE.2008.4610181>

**ARVR Digital Twin for simulation and data collection of robotic environments**

Martins, João G.; **Nutonen, Karle;** Costa, Paulo; **Kuts, Vladimir; Otto, Tauno;** Sousa, Armando; Petry, Marcelo R. 2025 IEEE International Conference on Autonomous Robot Systems and Competitions (ICARSC) 2025 / 6 p <https://doi.org/10.1109/ICARSC65809.2025.10970158>

**Architectural design space exploration of an FPGA-based compressed sampling engine : application to wireless heart-rate monitoring**

El-Sayed, Mohammad; Koch, Peter; **Le Moullec, Yannick** 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [5] p. : ill <http://dx.doi.org/10.1109/NORCHIP.2015.7364369>

**Architectural solutions for high-speed data processing demands of CERN LHC detectors with FPGA and high-level synthesis**

**Devadze, Sergei;** Nielsen, Christine Elizabeth; **Mihhailov, Dmitri; Ellervee, Peeter** 2024 IEEE Nordic Circuits and Systems Conference (NorCAS) 2024 <https://doi.org/10.1109/NorCAS64408.2024.10752490> [Article at Scopus](#)

### **An area aware accelerator for elliptic curve point multiplication**

**Imran, Malik; Pagliarini, Samuel Nascimento;** Rashid, Muhammad Haroon 27th IEEE International Conference on Electronics Circuits and Systems, (ICECS) 2020, Glasgow, UK, Virtual Conference, November 23-25, 2020 : proceedings 2020 / 4 p <https://doi.org/10.1109/ICECS49266.2020.9294908>

### **Area efficient hexadecimal divider circuit implementation based on USP-awadhoot division algorithm**

**Patankar, Udayan Sunil; Koel, Ants;** Patankar, Sunil M.; Flores, Miguel E. IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC) 2021 / p. 1-8 <https://doi.org/10.1109/ICE/ITMC52061.2021.9570263>

### **Artificial Hummingbird Algorithm For Optimal Reconfiguration Of Electrical Distribution networks**

**Zahraoui, Younes;** Bouhanik, Anes; **Korötko, Tarmo; Rosin, Argo;** Mekhilef, Saad 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) 2024 / p. 225-229 <https://doi.org/10.1109/MELECON56669.2024.10608525>

### **Artificial intelligence in monitoring and diagnostics of electrical energy conversion systems**

**Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants;** Pomarnacki, Raimondas; **Belahcen, Anouar;** Van Khang, Hyunh 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 4 p <https://doi.org/10.1109/IWED48848.2020.9069566>

### **Artificial Intelligence in the hierarchical control of ac, dc and hybrid ac/dc microgrids : A review**

Gutiérrez-Escalona, J.; Roncero-Clemente, C.; **Husev, Oleksandr; Matiushkin, Oleksandr;** Blaabjerg, Frede IEEE Access 2024 / p. 157227-157246 <https://doi.org/10.1109/ACCESS.2024.3486382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Artificial intelligence methods for data based modeling and analysis of complex processes : real life examples [Online resource]**

**Vassiljeva, Kristina; Petlenkov, Eduard; Vansovits, Vitali; Tepljakov, Aleksei** Proceedings of the 2016 IEEE First International Conference on Data Stream Mining & Processing (DSMP) : Lviv, Ukraine, August 23-27, 2016 2016 / p. 363-368 : ill <https://doi.org/10.1109/DSMP.2016.7583579>

### **Artificial intelligence tools for university fundraising 5.0 : a comprehensive analysis**

Cherniavska, Olena; Belov, Alexandr; Shmygol, Nadiia; **Järvis, Marina;** Cherniavska, Oleksandra; Tsalko, Tetiana 2023 IEEE 5th International Conference on Modern Electrical and Energy System (MEES) : proceedings 2023 / 6 p <https://doi.org/10.1109/MEES61502.2023.10402529>

### **ARTmine : automatic association rule mining with temporal behavior for hardware verification**

**Heidari Iman, Mohammad Reza; Jervan, Gert; Ghasempouri, Tara** 2024 Design, Automation & Test in Europe Conference & Exhibition (DATE) : Valencia, Spain, 25-27 March 2024 : proceedings 2024 / p. 1-6 : ill <https://ieeexplore.ieee.org/document/10546742>

### **Assessing demand side flexibility with renewable energy resources [Electronic resource]**

**Mishra, Sambeet; Koduvere, Hardi; Palu, Ivo; Kuhi-Thalfeldt, Reeli; Rosin, Argo** 2016 IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC) : 7-10 June 2016, Florence, Italy : conference proceedings 2016 / [6] p. : ill. [CD-ROM] <https://doi.org/10.1109/EEEIC.2016.7555546>

### **Assessing energy generation and consumption patterns in times of crisis : COVID-19 as a case study**

Ofir, Ron; Zargari, Noa; Levron, Yoash; **Belikov, Juri** 2021 IEEE Madrid PowerTech 2021 / 6 p <https://doi.org/10.1109/PowerTech46648.2021.9494753>

### **Assessing interaction mechanics in extended reality for control engineering applications**

**Remenyi, Armin; Alsaleh, Saleh; Tepljakov, Aleksei** 2024 32nd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2024 2024 <https://doi.org/10.23919/SoftCOM62040.2024.10721783> [Article at Scopus](#)

### **Assessing the Baltic Sea Water Quality with Sentinel-3 OLCI Imagery**

Kutser, Tiit; Soomets, Tuuli; Toming, Risto; **Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo;** Paavel, Birgot 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipeda, Lithuania 12 - 15 June 2018 2018 / p. 52-57 : ill <https://doi.org/10.1109/BALTIC.2018.8634849>

### **Assessment of data acquisition system for forecasting temperature and solar irradiation**

**Zahraoui, Younes; Korötko, Tarmo;** Mekhilef, Saad; Alhamrouni, Ibrahim 2023 International Conference on Engineering Technology and Technopreneurship (ICE2T) 2024 / p. 408-413 <https://doi.org/10.1109/ICE2T58637.2023.10540516>

### **Assessment of diagnostic test for automated bug localization**

**Tihhomirov, Valentin; Tšepurov, Anton; Jenihhin, Maksim; Raik, Jaan; Ubar, Raimund-Johannes** LATW2013 : 14th IEEE Latin-American Test Workshop, Cordoba, Argentina, April 3-5, 2013 : [proceedings] 2013 / [6] p. : ill

### **Assessment of higher harmonics influence to PMU measurement accuracy**

**Löper, Mari; Salumäe, Uku; Kilter, Jako** 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : Torino, Italy 26-29 September 2017 : Conference Proceedings 2017 / 6 p. : ill <https://doi.org/10.1109/ISGTEurope.2017.8260271>

**Assessment of mixed energy storage system considering high spatial resolution data from a real PV installation**  
**Rogowski, Szymon; Hasan, Sayeed; Chub, Andrii; Sibinski, Maciej** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p <https://doi.org/10.1109/BEC61458.2024.10737964> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Assessment of pedestrian crossings measuring parameters and implementation of new measuring methods in Estonia**  
**Varjas, Toivo; Kuusik, Marko; Armas, Jelena; Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 4 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659821>

**Assessment of voltage instrument transformers accuracy for harmonic measurements in transmission systems [Online resource]**

Stiegler, Robert; Meyer, Jan; **Kilter, Jako**; Konzelmann, Simon Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 152-157 : ill <https://doi.org/10.1109/ICHQP.2016.7783472>

**Asset management software implementation challenges for electricity companies**

**Kangilaski, Taivo** Proceedings : IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society : Porto, Portugal, 3-5 November, 2009 2009 / p. 3611-3616

**Asymmetrical PWM control of galvanically isolated impedance-source series resonant DC-DC converters**

**Vinnikov, Dmitri; Zakis, Janis; Chub, Andrii; Liivik, Elizaveta** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 341-346 : ill <https://doi.org/10.1109/CPE.2016.7544211>

**Asymmetrical quasi-Z-source half-bridge DC-DC converters**

**Vinnikov, Dmitri; Chub, Andrii; Liivik, Liisa** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 369-372 : ill <http://dx.doi.org/10.1109/CPE.2015.7231103>

**At-speed on-chip diagnosis of board-level interconnect faults**

**Jutman, Artur** Ninth IEEE European Test Symposium : ETS 2004 : 23-26 May 2004, Corsica, France : proceedings 2004 / p. 2-7 : ill [https://www.researchgate.net/publication/4098807\\_At-speed\\_on-chip\\_diagnosis\\_of\\_board-level\\_interconnect\\_faults](https://www.researchgate.net/publication/4098807_At-speed_on-chip_diagnosis_of_board-level_interconnect_faults)

**At-speed self-testing of high-performance pipe-lined processing architectures [Electronic resource]**

**Gorev, Maksim; Ubar, Raimund-Johannes; Ellervee, Peeter; Devadze, Sergei; Raik, Jaan; Min, Mart** 31st Norchip Conference : Vilnius, Lithuania, 11-12 November 2013 : conference program and papers 2013 / p. 1-6 : ill [USB]

**Automated area and coverage optimization of minimal latency checkers**

**Azad, Siavoosh Payandeh; Niazmand, Behrad; Apneet Kaur; Raik, Jaan; Jervan, Gert; Hollstein, Thomas** 2017 22nd IEEE European Test Symposium (ETS 2017), Limassol, Cyprus, 22 – 26 May 2017 : proceedings 2017 / p. 7-8 : ill <https://doi.org/10.1109/ETS.2017.7968211>

**An automated configuration framework for TSN networks**

Houtan, Bahar; Bergström, Albert; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2021 22nd IEEE International Conference on Industrial Technology (ICIT) : proceedings 2021 / p. 771-778 <https://doi.org/10.1109/ICIT46573.2021.9453628>

**Automated correction of design errors by edge redirection on high-level decision diagrams**

**Karputkin, Anton; Ubar, Raimund-Johannes; Tombak, Mati; Raik, Jaan** 13th International Symposium on Quality Electronic Design (ISQED), 2012 2012 / p. 686-693 : ill <https://ieeexplore.ieee.org/document/6113980>

**Automated fault diagnosis for an autonomous underwater vehicle**

Dearden, Richard; **Ernits, Juhan-Peep** IEEE journal of oceanic engineering 2013 / p. 484-499 : ill <https://doi.org/10.1109/JOE.2012.2227540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Automated minimization of concurrent online checkers for network-on-chips**

**Saltarelli, Pietro; Niazmand, Behrad; Hariharan, Ranganathan; Raik, Jaan; Jervan, Gert; Hollstein, Thomas** 10th International Symposium on Reconfigurable and Communication-centric Systems-on-Chip (ReCoSoC 2015) : Bremen, 29 June - 1 July 2015 2015 / [8] p. : ill <http://dx.doi.org/10.1109/ReCoSoC.2015.7238079>

**Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035**

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Mirallas, Alvaro; **Petlenkov, Eduard** IEEE Access 2022 / p. 51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Automatic GUI model generation : state of the art**

**Kull, Andres** ISSREW 2012 : 23rd IEEE International Symposium on Software Reliability Engineering Supplemental Proceedings : 27-30 November 2012, Dallas, Texas, USA 2012 / p. 207-212 <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6405443>

**Automatic NLOS classification from virtual 3D city models**

**Müürsepp, Ivo; Alam, Muhammad Mahtab** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 190-195 <https://doi.org/10.1109/FMEC59375.2023.10306158>

**Automatic position detection and transmitting activation of dynamic wireless power transfer system with air capacitor**

Pakhaliuk, Bohdan; **Husev, Oleksandr; Shevchenko, Viktor**; Kroics, Kaspars; Stepins, Deniss; Strzelecki, Ryszard Wireless Power Week (WPW) : Proceedings 2022 / p. 487-491 <https://doi.org/10.1109/WPW54272.2022.9853972>

**Automatic synthesis of asynchronous circuits from synchronous RTL descriptions**

Öberg, Johnny; Plosila, Juha; **Ellervee, Peeter** Proceedings 23rd NORCHIP Conference : Oulu, Finland, 21-22 November 2005 2005 / p. 200-205 : ill <https://ieeexplore.ieee.org/document/1597024/keywords#keywords>

**Automatic visual traffic sign damage detection and measurement of damaged area**

**Ersü, Can; Janson, Karl; Petlenkov, Eduard; Reinsalu, Uljana** 2024 18th International Conference on Control, Automation, Robotics and Vision (ICARCV) 2024 / p. 505-510 <https://doi.org/10.1109/ICARCV63323.2024.10821546>

**Automotive waste heat harvesting for electricity generation using thermoelectric systems - an overview**

**Kütt, Lauri**; Lehtonen, Matti 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 55-62 : ill

**AutoRIO : an indoor testbed for developing autonomous vehicles**

Loni, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael 2018 Proceedings of the Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC) : December 16-18, 2018 Alexandria, Egypt 2018 / p. 69-72 : ill <https://doi.org/10.1109/JEC-ECC.2018.8679543>

**Availability and variations of cardiac activity in the case of measuring the bioimpedance of wrist**

**Metshein, Margus; Annus, Paul; Land, Raul; Min, Mart**; Aabloo, Alvo 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/I2MTC.2018.8409684>

**AWAIT : an ultra-lightweight soft-error mitigation mechanism for network-on-chip links**

**Janson, Karl; Pihlak, Rene; Azad, Siavoosh Payandeh; Niazmand, Behrad; Jervan, Gert; Raik, Jaan** 2018 13th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC), Lille, France, July 9th-11th, 2018 2018 / p. 1-6 : ill <https://doi.org/10.1109/ReCoSoC.2018.8449374>

**Awareness of BSR municipalities about sustainable urban lighting and green public procurements**

**Korõtko, Tarmo; Rosin, Argo; Varjas, Toivo; Ahmadihangar, Roya** 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Madrid, Spain, 9-12 June 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/EEEIC/ICPSEurope49358.2020.9160761>

**Axial synchronous magnetic coupling modeling and printing with selective laser melting**

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton; Belahcen, Anouar** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon), 7-9 October 2019 : conference proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/RTUCon48111.2019.8982344>

**Axially asymmetric design for additive manufacturing of synchronous reluctance machines**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** 2023 IEEE International Conference on Electric Machines and Drives (IEMDC) 2023 / 5 p <https://doi.org/10.1109/IEMDC55163.2023.10238995>

**Back-to-back energy router based on common-ground inverters**

Azizi, Mohammadreza; **Rahimpour, Saeed; Husev, Oleksandr; Veligorskyi, Oleksandr** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / p. 1-6 <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227480>

**Bandit-based learning-aided full-duplex/half-duplex mode selection in 6G cooperative relay networks**

Nomikos, Nikolaos; **Charalambous, Themistoklis**; Trakadas, Panagiotis; Wichman, Risto IEEE Open Journal of the Communications Society 2024 / p. 1415-1429 : ill <https://doi.org/10.1109/OJCOMS.2024.3370476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**BASTION : board and SoC test instrumentation for ageing and no failure found**

**Jutman, Artur**; Lotz, Christophe; Larsson, Erik; Sonza Reorda, Matteo; **Jenihhin, Maksim; Raik, Jaan** Proceedings of the 2017 Design, Automation & Test in Europe (DATE) : 27-31 March 2017, Swisstech, Lausanne, Switzerland 2017 / p. 115-120 : ill <https://doi.org/10.23919/DATE.2017.7926968>

### **Battery size optimization with customer PV installations and domestic load profile**

**Shabbir, Noman; Kütt, Lauri; Astapov, Victor;** Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** IEEE Access 2022 / p. 13012-13025 : ill <https://doi.org/10.1109/ACCESS.2022.3147977> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Battery technologies in electric vehicles : improvements in electric battery packs**

**Mohseni, Parham; Husev, Oleksandr; Vinnikov, Dmitri;** Strzelecki, Ryszard; Romero-Cadaval, Enrique; Tokarski, Igor IEEE industrial electronics magazine 2023 / p. 55-65 <https://doi.org/10.1109/MIE.2023.3252265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A Bayesian optimization approach for calibrating large-scale activity-based transport models**

**Agriesti, Serio; Kuzmanovski, Vladimir;** Hollmen, Jaakko; Roncoli, Claudio; Nahmias-Biran, Bat-Hen IEEE Open Journal of Intelligent Transportation Systems 2023 / p. 740 - 754 <https://doi.org/10.1109/OJITS.2023.3321110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bbuzz : a Bit-aware fuzzing framework for network protocol systematic reverse engineering and analysis**

Blumbergs, Bernhards; **Vaarandi, Risto** MILCOM 2017 - 2017 IEEE Military Communications Conference : Baltimore, Maryland, USA, 23-25 October 2017 2017 / p. 707-712 <https://doi.org/10.1109/MILCOM.2017.8170785> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Bearing fault analysis of BLDC motor intended for electric scooter application**

**Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** 2021 IEEE 13th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives (SDEMPED) 2021 / p. 427-432 <https://doi.org/10.1109/SDEMPED51010.2021.9605519>

### **A benchmark of DC-DC converters for DC fast charging stations of electric vehicles**

Mathew, Honey Mol; Arena, Gabriele; **Chub, Andrii;** De Carne, Giovanni; **Vinnikov, Dmitri;** Lukianov, Mykola 2024 9th IEEE Workshop on the Electronic Grid (eGRID) 2024 / 6 p <https://doi.org/10.1109/eGRID62045.2024.10842879>

### **Benchmarking of power quality performance in transmission systems - CIGRE WG C4.27 perspective [Online resource]**

**Kilter, Jako;** Vujatovic, Davor; Elphick, Sean Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 949-954 <https://doi.org/10.1109/ICHQP.2016.7783342>

### **Bidding strategy of a microgrid considering risk interdependence between electricity and carbon markets**

Yan, Yuan; Lin, Zihan; **Wen, Fushuan; Palu, Ivo** 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 5 p. : ill <https://doi.org/10.1109/PESGM40551.2019.8974139>

### **Bidirectional DC circuit breaker with improved performance during commissioning and reclosing**

Pogulaguntla, Aditya; Raghavendra I, Venkata; Banavath, Satish Naik; **Chub, Andrii;** Sreekanth, Thamballa; Krishnamoorthy, Harish Sarma 24th European Conference on Power Electronics and Applications (EPE'22 ECCE Europe) 2022 / p. P1-P9 <https://ieeexplore.ieee.org/document/9907667>

### **Bidirectional DC-DC converter for modular residential battery energy storage systems**

**Chub, Andrii; Vinnikov, Dmitri; Kosenko, Roman; Liivik, Liisa;** Galkin, Ilja IEEE transactions on industrial electronics 2020 / p. 1944-1955 : ill <https://doi.org/10.1109/TIE.2019.2902828> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bidirectional isolated hexamode DC-DC converter**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** IEEE transactions on power electronics 2022 / p. 12264-12278 <https://doi.org/10.1109/TPEL.2022.3170229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bidirectional isolated ZVS DC-DC converter with auxiliary active switch for high-power energy storage applications**

Ivakhno, Volodymyr; Zamaruiev, Volodymyr; Styslo, Bogdan; **Kosenko, Roman; Blinov, Andrei** 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 589-592 : ill <https://doi.org/10.1109/UKRCON.2017.8100315>

### **Bidirectional operation of the power electronic interface for nearly-zero energy buildings**

**Roasto, Indrek; Jalakas, Tanel; Rosin, Argo** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2456-2464 : ill <https://ieeexplore.ieee.org/document/8515405>

### **Bidirectional soft switching current source DC-DC converter for residential DC microgrids**

**Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Vinnikov, Dmitri** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6059-6064 : ill <https://doi.org/10.1109/IECON.2018.8591103>

### **Bidirectional solid-state DC circuit breaker for the protection of residential and Commercial DC buildings**

Aditya, P.; Yagna, V.; Banath, T.; **Chub, Andrii; Banavath, Satish Naik** 2023 IEEE 8th Southern Power Electronics Conference and 17th Brazilian Power Electronics Conference (SPEC/COBEP) 2023 / 6 p <https://doi.org/10.1109/SPEC56436.2023.10407460>

### **Bidirectional SSCB for residential DC microgrids with reduced voltage and current stress during fault interruption**

Aditya, P.; Banavath, Satish Naik; Lidozzi, Alessandro; **Chub, Andrii; Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227379>

### **Bidirectional wide voltage range series-parallel resonant buck-boost DC-DC converter**

**Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 5 p <https://doi.org/10.1109/PEMC61721.2024.10726369>

### **Binary signals in impedance spectroscopy**

**Min, Mart; Ojarand, Jaan; Märten, Olev; Paavle, Toivo; Land, Raul; Annus, Paul; Rist, Marek; Reidla, Marko; Parve, Toomas** Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference 2012 / p. 134-137 : ill

### **Bioimpedance sensing - a viable alternative for tonometry in non-invasive assessment of central aortic pressure**

**Min, Mart; Annus, Paul; Kõiv, Hip; Krivošei, Andrei; Uuetoa, Tiina; Lamp, Jürgen** 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA) : May 7-10, 2017, Rochester, MN, USA : proceedings papers 2017 / p. 373-378 : ill <https://doi.org/10.1109/MeMeA.2017.7985905>

### **A bio-impedance signal simulator (BISS) for research and training purposes**

**Muhammad, Yar; Le Moulec, Yannick; Annus, Paul; Krivošei, Andrei** 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill <https://doi.org/10.1109/ISSC.2015.7163746>

### **A bio-inspired compliant robotic fish : design and experiments**

**EL Daou, Hadi; Salumäe, Taavi; Toming, Gert; Kruusmaa, Maarja** 2012 IEEE International Conference on Robotics and Automation : ICRA : Saint Paul, Minnesota, USA, May 14-18, 2012 2012 / p. 5340-5345 : ill [https://www.researchgate.net/publication/254041437\\_A\\_bio-inspired\\_compliant\\_robotic\\_fish\\_Design\\_and\\_experiments](https://www.researchgate.net/publication/254041437_A_bio-inspired_compliant_robotic_fish_Design_and_experiments)

### **A bio-mimetic design and control of a fish-like robot using compliant structures**

**EL Daou, Hadi; Salumäe, Taavi; Ristolainen, Asko; Toming, Gert; Listak, Madis; Kruusmaa, Maarja** The 15th International Conference on Advanced Robotics : Tallinn, Estonia, June 20-23, 2011 2011 / p. 563-568 : ill

### **Biomimetic fish-like underwater robot for shallow water applications**

**Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja** 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August, 2007 2007 / p. 332-336

### **Biomimetic mechanical design for soft-bodied underwater vehicles**

Fiazza, C.; **Salumäe, Taavi; Listak, Madis**; Kulikovskis, Guntis; Templeton, R.; Akanyeti, Otar; McGill, W.; Fiorini, Paolo; **Kruusmaa, Maarja** IEEE OCEANS : Sydney, 24-27 May 2010 2010 / [7] p.: ill

### **Bipolar duty cycle control for dual side LCC compensated inductive power transfer system for wide output voltage range**

Kishan, D.; **Chub, Andrii**; Vinod, Marupuru IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2025 / 4 p <https://doi.org/10.1109/IECON55916.2024.10905524> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Bispectrum for the detection of the effect of photic and microwave stimulation on human EEG**

**Parts, Maie; Lipping, Tarmo; Lass, Jaanus; Hinrikus, Hiie** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 3 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 2327-2330 : ill

### **BIST analyzer : a training platform for SoC testing [Electronic resource]**

**Jutman, Artur; Tšertov, Anton; Tšepurov, Anton; Aleksejev, Igor; Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich 37th Annual Frontiers in Education Conference : Global Engineering : Knowledge Without Borders, Opportunities Without Passports : Milwaukee, Wisconsin, October 10-13, 2007 2007 / p. S3H-8-S3H-13 : ill. [CD-ROM] <http://dx.doi.org/10.1109/FIE.2007.4418125>

### **Black start and fault tolerant operation of isolated matrix converter for DC microgrids**

**Emiliani, Pietro; Blinov, Andrei; Chub, Andrii**; de Carne, Giovanni; **Vinnikov, Dmitri** IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / 5 p <https://doi.org/10.1109/IECON49645.2022.9968735> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Black-box assessment of optical spectrum services**

**Kaeval, Kaida**; Elbers, Jörg-Peter; Grobe, Klaus; Tikas, Marko; Fehenberger, Tobias; Griesser, Helmut; **Jervan, Gert** 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / 3 p <https://ieeexplore.ieee.org/document/9489700>

### **Blockchain applications and cybersecurity threats : A review**

Ntshangase, Lindani Handsome; **Bauk, Sanja** 2024 28th International Conference on Information Technology (IT) 2024 / 4 p  
<https://doi.org/10.1109/IT61232.2024.10475777>

### **Blockchain for EU electricity market**

**Crasta, Cletus J.; Agabus, Hannes; Palu, Ivo** 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Madrid, Spain, 9-12 June 2020 : proceedings 2020 / 6 p <https://doi.org/10.1109/EEEIC/ICPSEurope49358.2020.9160575>

### **Blockchain technology's effects on big data in maritime transportation**

Paladin, Zdravko; **Bauk, Sanja**; Mujalovic, Rasim; Kapidani, Nexhat; Lukšić, Žarko 2024 28th International Conference on Information Technology (IT) 2024 / 7 p <https://doi.org/10.1109/IT61232.2024.10475774>

### **Blockchain-based solution for supply chain traceability: the case of SmartLog Project**

**Pilvik, Riivo; Kõrbe Kaare, Kati; Koppel, Ott** 2021 9th International Conference on Traffic and Logistic Engineering (ICTLE) 2021 / p. 57-63 <https://doi.org/10.1109/ICTLE53360.2021.9525749>

### **Block-level fault model-free debug and diagnosis in digital systems**

**Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan** Proceedings of the 12th EUROMICRO Conference on Digital System Design, Architectures, Methods and Tools : Patras, Greece, August 27-29, 2009 2009 / p. 229-232  
<https://ieeexplore.ieee.org/document/5350128>

### **Body fat proportion estimation by the segmental bioelectrical impedance analysis of forearm**

**Metshein, Margus**; Tuulik, Varje-Riin; Tuulik, Viuu; **Min, Mart**; Kumm, Monika; **Annus, Paul; Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024 / 5 p  
<https://doi.org/10.1109/I2MTC60896.2024.10560671>

### **Body-to-Body communication : applications, system design aspects and performance evaluation**

**Khan, Rida; Alam, Muhammad Mahtab** The 12th International Symposium on Medical Information and Communication Technology : ISMICT 2018, 26-28 March 2018, University of Technology Sydney 2018 / 2 p. : ill <http://ismict2018.org/images/Docs-2017/ISMICT-2018-Program---Final.pdf> <http://dx.doi.org/10.1109/ISMICT.2018.8573721>

### **Boost half-bridge DC-DC converter with reconfigurable rectifier for ultra-wide input voltage range applications**

**Vinnikov, Dmitri; Chub, Andrii; Liivik, Elizaveta**; Blaabjerg, Frede; Siwakoti, Yam P. 2018 IEEE Applied Power Electronics Conference and Exposition (APEC 2018), San Antonio, Texas, USA, 4-8 March 2018 2018 / p. 1528-1532 : ill  
<https://doi.org/10.1109/APEC.2018.8341219> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Brain functional connectivity in depression : gender differences in EEG**

**Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Hinrikus, Hiie**; Järvelaid, Mari 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES) : Kuala Lumpur, 4-8 December 2016 2016 / p. 270-273 : ill  
<https://doi.org/10.1109/IECBES.2016.7843456>

### **Brain stimulation by modulated microwave radiation: a feasibility study**

**Bachmann, Maie; Bachmann, Jaanus**; Ioannides, Andreas A.; **Hinrikus, Hiie** 2018 EMF-Med 1st World Conference on Biomedical Applications of Electromagnetic Fields (EMF-Med), 10-13 Sept. 2018 2018 / 2 p  
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8526055&tag=1>

### **Broken rotor bar fault detection using machine learning: Optimal frequency resolution**

Koveshnikov, Semen; Bouharrouti, Nada El; **Kudelina, Karolina; Naseer, Muhammad Usman; Vaimann, Toomas**; Belahcen, Anouar 2024 International Conference on Electrical Machines (ICEM) 2024 / 6 p <https://doi.org/10.1109/ICEM60801.2024.10700228>

### **Broken rotor bar fault diagnostic of inverter fed induction motor using FFT, Hilbert and Park's vector approach**

**Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants** 2018 XIII International Conference on Electrical Machines (ICEM 2018) : Alexandroupoli, Greece, 3-6 September 2018 2018 / p. 2352-2358 : ill <https://doi.org/10.1109/ICELMACH.2018.8506957>

### **Buck-boost resonant Z-source parital power converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 3rd International Conference on Smart Grid and Renewable Energy (SGRE) 2022 / p. 1-6 <https://doi.org/10.1109/SGRE53517.2022.9774095>

### **Buck-boost unfoldr inverter as a novel solution for single-phase PV systems**

**Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri**; Roncero, Carlos; Romero-Cadaval, Enrique; **Kütt, Lauri** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6116-6121 : ill  
<https://doi.org/10.1109/IECON.2018.8592899>

### **Building an ontology for cyber defence exercises**

**Babayeva, Gulkhara; Maennel, Kaie; Maennel, Olaf Manuel** IEEE European Symposium on Security and Privacy Workshops (EuroS&PW) 2022 / p. 423-432 <https://doi.org/10.1109/EuroSPW55150.2022.00050>

### **Business model archetypes. A systematic literature review**

Madsen, Rita; Lindgren, Peter; **Durst, Susanne** 2022 25th International Symposium on Wireless Personal Multimedia Communications (WPMC) 2022 / p. 128-133 <https://doi.org/10.1109/WPMC55625.2022.10014802>

### **Cable diagnostics methods for determining degradation caused by renewable energy production**

**Kiitam, Ivar; Taklaja, Paul; Niitsoo, Jaan;** Hyvonen, Petri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 220-224 : ill

### **CAC 2.0 : a corrupt and correct logic locking technique resilient to structural analysis attacks**

**Aksoy, Levent;** Yasin, Muhammad; **Pagliarini, Samuel Nascimento** 2024 IEEE 25th Latin American Test Symposium (LATS) : 9-12 April 2024 (2024) 2024 <https://doi.org/10.1109/LATS62223.2024.10534592> [Article at Scopus](#)

### **CAESAR-MPSoC : dynamic and efficient MPSoC security zones**

**Azad, Siavoosh Payandeh;** Tempelmeier, Michael; **Jervan, Gert;** Sepulveda, Johanna 2019 IEEE Computer Society Annual Symposium on VLSI : ISVLSI 2019 : proceedings 2019 / p. 477-482 : ill <https://doi.org/10.1109/ISVLSI.2019.00092>

### **Calculating power distribution system reliability indexes from Smart Meter data**

**Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott; Palu, Ivo** 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513905>

### **Calculation of LFSR seed and polynomial pair for BIST applications [Electronic resource]**

**Jutman, Artur; Tšertov, Anton; Ubar, Raimund-Johannes** 2008 IEEE Design and Diagnostics of Electronic Circuits and Systems : Bratislava, Slovakia, April 16-18, 2008 2008 / p. 275-279 : ill. [CD-ROM] <https://ieeexplore.ieee.org/abstract/document/4538801>

### **Calculation of microwave radiometric signal in multilayered biological tissue**

**Hinrikus, Hiie; Krasavin, Jevgeni;** Beilenhoff, Klaus; Hartnagel, Hans 1995 IEEE Engineering in Medicine and Biology 17th Annual Conference and 21st Canadian Medical and Biological Engineering Conference. Volume Two. Montreal, Canada, September 20-23, 1995 1997 / 1583-1584

### **Calculation of the traction effort of ISEAUTO self-driving vehicle**

**Rassõlkin, Anton; Gevorkov, Levon; Vaimann, Toomas; Kallaste, Ants; Sell, Raivo** 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill <https://doi.org/10.1109/IWED.2018.8321397>

### **Camera-LiDAR fusion based object segmentation in adverse weather conditions for autonomous driving**

**Gu, Junyi; Bellone, Mauro;** Lind, Artjom 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 <https://doi.org/10.1109/BEC61458.2024.10737955> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Can we make teaching great again?**

**Henno, Jaak;** Jaakkola, Hannu; Mäkelä, Jukka 2024 47th ICT and Electronics Convention (MIPRO) : May 20-24, 2024, Opatija, Croatia : proceedings 2024 / p. 566 - 570 <https://doi.org/10.1109/MIPRO60963.2024.10569792> [Article at Scopus](#)

### **CAP waveform estimation from the measured electrical bioimpedance values : patient's heart rate variability analysis**

**Krivošei, Andrei; Uuetoa, Hasso; Min, Mart; Annus, Paul;** Uuetoa, Tiina; Lamp, Jürgen Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 2788-2791 : ill <https://doi.org/10.1109/EMBC.2015.7318970> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Capability development - no path, response to competition : the cross-case of Google, Ericsson, Microsoft and Nokia**

**Rungi, Mait; Kolk, Alar** Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management 2012 / p. 689-693 <https://ieeexplore.ieee.org/document/6837827>

### **Capability development - no path, response to competition : the cross-case of Google, Ericsson, Microsoft and Nokia**

**Rungi, Mait; Kolk, Alar** IEEM2012 : 2012 IEEE International Conference on Industrial Engineering and Engineering Management : 10 to 13 December 2012, Hong Kong, Hong Kong Convention and Exhibition Centre : [abstracts] 2012 / p. 54 <https://ieeexplore.ieee.org/document/6837827>

### **Capacitance measurement with MSP430 microcontrollers**

**Märtens, Olev; Pille, Siim; Reidla, Marko** EDERC2014 : proceedings of the 6th European Embedded Design in Education and Research Conference, 11-12 September 2014, Milan, Italy 2014 / p. 260-263 : ill

### **Capacitive vs Inductive Coupling Based DC-DC Converter Operating in MHz Switching Frequency Range**

**Pourjafar, Saeed; Mohseni, Parham;** Husev, Oleksandr; Strezelecki, Ryszard; Matiushkin, Oleksandr 2025 IEEE Applied Power Electronics Conference and Exposition (APEC) 2025 / p. 2173-2178 <https://doi.org/10.1109/APEC48143.2025.10977156>

### **Capacitor coupled voltage transformer defect identification in the presence of tap changer**

**Asefi, Sajjad; Leinakse, Madis; Kilter, Jako;** Landsberg, Mart IEEE PES Innovative Smart Grid Technologies Conference Europe

(ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/isgteurope56780.2023.10408138>

**Capacitor coupled voltage transformer inaccuracy effect on circuit breaker operation**

**Asefi, Sajjad; Andreessen, Guido; Kilter, Jako;** Landsberg, Mart 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 5 p <https://doi.org/10.1109/EPE58302.2023.10149279>

**CapsNet on embedded devices in a data scarce scenario**

**Ezechukwu, Dismas Ndubuis; Le Moullec, Yannick** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l. <https://doi.org/10.1109/BEC56180.2022.9935600>

**Car navigation and collision avoidance system with fuzzy logic**

**Riid, Andri; Pahhomov, Dmitri; Rüstern, Ennu** 2004 IEEE International Conference on Fuzzy Systems : proceedings : Budapest, Hungary, 25-29 July, 2004. Vol. 3 2004 / p. 1443-1448 : ill <https://ieeexplore.ieee.org/document/1375386>

**Carrier based modulation with capacitor balancing for three-level neutral-point-clamped qZS inverter**

Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Husev, Oleksandr; Vinnikov, Dmitri** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 57-62 : ill <http://dx.doi.org/10.1109/CPE.2015.7231049>

**Case study : utilities and asset management - time for a change**

**Kangilaski, Taivo** 5th IEEE International Conference on Industrial Informatics : July 23-26, 2007, Vienna, Austria : conference proceedings. Volume 1 2007 / p. 579-584 <https://ieeexplore.ieee.org/document/4384822>

**A case study about the use and evaluation of cyber deceptive methods against highly targeted attacks**

**Farar, Alexandria Elaine; Bahsi, Hayretidin;** Blumbergs, Bernhards 2017 International Conference On Cyber Incident Response, Coordination, Containment and Control, Cyber Incident 2017 : London, United Kingdom, 19 June 2017 through 20 June 2017 2017 / [7] p. : ill <https://doi.org/10.1109/CYBERINCIDENT.2017.8054640>

**Case study of outdoor digital screens effect on drivers**

**Parker, Martin; Rosin, Argo; Antov, Dago; Varjas, Toivo; Möller, Taavi;** Gorislavskaja, Inna 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830768>

**Case study of smart city lighting system with motion detector and remote control**

**Kuusik, Marko; Varjas, Toivo; Rosin, Argo** 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513906>

**Case study of supplementary PMSM for low-speed wind turbine**

Poliakov, Nikolai; Vorobev, Konstantin; **Demidova, Galina; Rassölkin, Anton;** Ramensky, Dmitry 2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED) : proceedings 2021 / 5 p. : ill <https://doi.org/10.1109/ACED50605.2021.9462253>

**CCM and DCM operation analysis of cascaded quasi-z-source inverter**

**Vinnikov, Dmitri; Roasto, Indrek;** Strzelecki, Ryszard; Adamowicz, Marek Proceedings of IEEE International Symposium on Industrial Electronics : ISIE'2011 : 27-30 June 2011, Gdansk, Poland 2011 / p. 159-164 : ill

**CCM operation analysis of the single-phase three-level quasi-Z-source inverter**

**Husev, Oleksandr;** Roncero-Clemente, Carlos; **Stepenko, Serhii; Vinnikov, Dmitri;** Romero-Cadaval, Enrique 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia 2012 / p. DS1b.21-1-DS1b.21-6 : ill <https://ieeexplore.ieee.org/document/6397221>

**Cell coverage analysis of a low altitude aerial base station in wind perturbations**

**Sharma, Navuday;** Sharma, Vishal; Magarini, Maurizio; Pervaiz, Haris; **Alam, Muhammad Mahtab; Le Moullec, Yannick** 2019 IEEE Globecom Workshops (GC Wkshps) : Proceedings 2019 / 6 p <https://doi.org/10.1109/GCWkshps45667.2019.9024665>

**Cell-level power supply for high-voltage modular multilevel converters [Electronic resource]**

**Blinov, Andrei;** Norrga, Staffan; Tibola, Gabriel; Velotto, Giovanni 19th European Conference on Power Electronics and Application : EPE'17 ECCE Europe : September 11-14, 2017, Warsaw, Poland 2017 / p. P1-P10 : ill. [USB] <https://doi.org/10.23919/EPE17ECCEEurope.2017.8099361>

**Challenges and implications of the WHO's digital cross-border COVID-19 vaccine passport recognition pilot**

**Jackson, Eric Blake; Dreyling III, Richard Michael; Pappel, Ingrid** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 88-94 <https://doi.org/10.1109/ICEDEG52154.2021.9530954>

**Challenges and perspectives in control of ionic polymer-metal composite (IPMC) actuators : a survey**

Aabloo, Alvo; **Belikov, Juri; Kaparin, Vadim; Kotta, Ülle** IEEE Access 2021 / art. 9133056, p. 121059-121073

### **Challenges in the digital transformation of courts : a case study from the Kurdistan region of Iraq**

**Ahmed, Rozha Kamal; Draheim, Dirk; Pappel, Ingrid; Muhammed, Khder H.** 2020 Seventh International Conference on eDemocracy & eGovernment (ICEDEG), Buenos Aires, Argentina, April 22–24, 2020 : proceedings 2020 / p. 74-79  
<https://doi.org/10.1109/ICEDEG48599.2020.9096801>

### **Challenges in using neural networks in safety-critical applications**

Forsberg, H.; Linden, Jan; Hjorth, J.; Manefjord, T.; **Daneshtalab, Masoud** AIAA/IEEE Digital Avionics Systems Conference - Proceedings, 2020 AIAA/IEEE 39th Digital Avionics Systems Conference (DASC), Virtual Conference, October 11-16, 2020 : Proceedings 2020 / 7 p <https://doi.org/10.1109/DASC50938.2020.9256519>

### **Challenges of academic mobility in view of students inclusion in engineering education**

**Raud, Zoja; Vodovozov, Valery** Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / p. 139-144 : ill  
<https://doi.org/10.1109/EDUCON45650.2020.9125238>

### **Challenges of additive manufacturing of electrical machines**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassölkin, Anton; Vaimann, Toomas** 2019 IEEE 12th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives (SDEMPED), 27-30 Aug. 2019, Toulouse, France : proceedings 2019 / p. 44-48 : ill <https://doi.org/10.1109/DEMPED.2019.8864850>

### **Challenges of reliability assessment and enhancement in autonomous systems**

**Jenihhin, Maksim; Sonza Reorda, Matteo; Balakrishnan, Aneesh; Alexandrescu, Dan** 2019 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT 2019) 2019 / 6 p <https://doi.org/10.1109/DFT.2019.8875379>

### **Challenges of transition to paperless management: readiness of incorporating AI in decision-making processes**

Gelashvili, Teona; **Pappel, Ingrid** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 41-46 <https://doi.org/10.1109/ICEDEG52154.2021.9530905>

### **Challenging diffusion of digital receipts**

**Soe, Ralf-Martin** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 110–117 <https://doi.org/10.1109/ICEDEG52154.2021.9530887>

### **Changes in EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study**

**Uudeberg, Tuuli; Hinrikus, Hiie; Päeske, Laura; Lass, Jaanus; Bachmann, Maie** 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524>  
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Changes in engineering education in the transition to a digital society**

Makarova, Irina; Boyko, Aleksey; Giniyatullin, Ilur; **Pashkevich, Anton**; Mukhametdinov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p <https://doi.org/10.1109/ICCC49264.2020.9257231>

### **Channel prediction based enhanced throughput and channel aware MAC in SmartBAN standard**

**Khan, Rida; Alam, Muhammad Mahtab; Kuusik, Alar** 2019 16th International Symposium on Wireless Communication Systems (ISWCS) 2019 / p. 463-468 : ill <https://doi.org/10.1109/ISWCS.2019.8877244>

### **Characterisation of 1200 V RB-IGBTs with different irradiation levels under hard and soft switching conditions**

**Blinov, Andrei; Korkh, Oleksandr; Vinnikov, Dmitri; Waind, Peter** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1382-1391 : ill  
<https://ieeexplore.ieee.org/document/8515535>

### **Characterisation of 1200 V reverse-blocking IGBTs for naturally commutated HF-link inverter**

Zinchenko, Denys; **Korkh, Oleksandr; Blinov, Andrei; Waind, Peter; Vinnikov, Dmitri** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 382-387 : ill  
<https://doi.org/10.1109/UKRCON.2019.8879900>

### **Characteristic pulse pattern features of different types of partial discharge sources in power cables**

**Kiitam, Ivar; Shafiq, Muhammad; Taklaja, Paul; Parker, Martin; Palu, Ivo; Kütt, Lauri** IEEE Power Engineering Society Conference and Exposition in Africa, PowerAfrica, IEEE PES/IAS PowerAfrica, Nairobi, Keenia, 23-27 Aug 2021 : proceedings 2021 / 5 p. : ill <https://doi.org/10.1109/PowerAfrica52236.2021.9543366>

### **Characteristics of learning outcomes for integrating work-based learning into the business information technology study program**

**Murtazin, Kristina; Shvets, Oleg; Meeter, Martijn; Piho, Gunnar** 2022 45th Jubilee International Convention on Information, Communication and Electronic Technology (MIPRO), 23-27 May 2022, Opatija, Croatia : proceedings 2022 / p. 1307-1312  
<https://doi.org/10.23919/MIPRO55190.2022.9803677>

### **Characterization and enhancement of oil shale fly ash from CFB boiler**

**Pikkor, Heliis; Järvik, Oliver; Lees, Heidi; Konist, Alar; Siirde, Andres; Maaten, Birgit** 6th International Conference on Smart and Sustainable Technologies, SpliTech 2021 2021 / p. 1-4 <https://doi.org/10.23919/SpliTech52315.2021.9566470>

### **Characterization of corona and internal partial discharge under increasing electrical stress using time domain analysis**

**Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Hussain, Amjad; Kütt, Lauri; Kauhaniemi, Kimmo** 2020 IEEE Electrical Insulation Conference : EIC 2020 2020 / vol. 217-220 <https://doi.org/10.1109/EIC47619.2020.9158701>

### **Characterization of high-frequency impedance-based models for transient terminal overvoltage estimation in cable-fed motor drive systems**

**Sardar, Muhammad Usman; Vaimann, Toomas; Kütt, Lauri; Asad, Bilal; Kallaste, Ants; Kudelina, Karolina** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p <https://doi.org/10.1109/ICEM60801.2024.10700495>

### **Characterization of the optical spectrum as a service**

**Kaeval, Kaida; Jansen, Sander Lars; Spinty, Florian; Grobe, Klaus; Griesser, Helmut; Fehenberger, Tobias; Tikas, Marko; Jervan, Gert** Journal of Optical Communications and Networking 2022 / p. 398-410 <https://doi.org/10.1364/JOCN.454158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Charge Diagnostics and State Estimation of Battery Energy Storage Systems Through Transformer Models**

**Zequera, Rolando Antonio Gilbert; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** IEEE Access 2025 / p. 17733-17744 : ill <https://doi.org/10.1109/ACCESS.2025.3532858>

### **Chemical etching of Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> monograin powder**

**Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Grossberg, Maarja; Danilson, Mati; Volobujeva, Olga; Mellikov, Enn** 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20-25, 2010 : conference proceedings 2010 / p. 1982-1985 : ill

### **Choose whom to date wisely : explaining the performance variation in strategic alliances**

**Rungi, Mait; Stulova, Valeria** IEEM 2014 : 2014 IEEE International Conference on Industrial Engineering and Engineering Management : 9-12 December, 2014, Malaysia 2014 / p. 692-696 : ill

### **Choosing how tight to bond : the interplay between corporate combinations, alliances and networks**

**Rungi, Mait; Stulova, Valeria** 2014 International Conference on IT Convergence and Security : ICITCS 2014 : 28-30 October 2014, Beijing, China 2014 / [4] p. : ill

### **Circulation centrifugal pump with variable speed drives and minimal electricity consumption**

**Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 334-339 : ill <http://dx.doi.org/10.1109/CPE.2017.7915193>

### **Class topper optimization approach to solve non-convex combined heat and power economic dispatch problems in power systems**

**Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako** 2024 IEEE International Conference on Power and Energy (PECon) 2024 / p. 179-184 <https://doi.org/10.1109/PECon62060.2024.10827527>

### **CLD : an accurate, cost-effective and scalable run-time Cache Leakage Detector**

**Shalabi, Ameer; Ghasempouri, Tara; Ellervee, Peeter; Raik, Jaan** 2021 24th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : Vienna, Austria, 07-09 April 2021 2021 / p. 127-132 : ill <https://doi.org/10.1109/DDECS52668.2021.9417071>

### **Cleaning procedure for the screen-printed RuO<sub>2</sub> pH electrodes**

**Lazouskaya, Maryna; Vetik, Iuliia; Uppuluri, Kiranmai; Razmi, Nasrin; Scheler, Ott** IEEE Sensors 2022 : Dallas, Texas, USA : 30 October 2022 - 02 November 2022 : Sensors 2022 conference proceedings 2022 / 4 p. : ill <https://doi.org/10.1109/SENSORS52175.2022.9967177> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving**

**Gu, Junyi; Bellone, Mauro; Pivonka, Tomas; Sell, Raivo** IEEE Transactions on Intelligent Vehicles 2024 / 12 p <https://doi.org/10.1109/TIV.2024.3454971>

### **Clock manipulation for heterogeneous emulation environment**

**Ellervee, Peeter; Arhipov, Anton; Tammemäe, Kalle** Proceedings [of] 24th IEEE Norchip Conference : Linköping, Sweden, 20-21 November 2006 2006 / p. 213-216 : ill <https://ieeexplore.ieee.org/abstract/document/4126984>

### **Cloud computing: serverless**

**Koschel, Arne; Bertram, Marvin; Bischof, Richard; Schulze, Kevin; Schaaf, Marc; Astrova, Irina** 12th International Conference on Information, Intelligence, Systems & Applications (IISA), 12-14 July 2021 : proceedings 2021 / art. 21201275, 7 p. : ill <https://doi.org/10.1109/IISA52424.2021.9555534>

#### **Cluster-based association rule mining for an intersection accident dataset**

**Shahin, Mahtab**; Saeidi, Soheila; Shah, Syed Attique; **Kaushik, Minakshi**; **Sharma, Rahul**; **Arakkal Peious, Sijo**; **Draheim, Dirk** 2021 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), 26-27 November 2021 : proceedings 2021 / 6 p <https://doi.org/10.1109/ICECube53880.2021.9628206>

#### **Clustering and outlier analysis for key performance indicators in battery energy storage systems applications**

**Zequera, Rolando Antonio Gilbert**; **Rassölkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227417>

#### **Clustering-based penalty signal design for flexibility utilization**

**Rosin, Argo**; **Ahmadihangar, Roya**; **Azizi, Elnaz**; Sahoo, Subham; **Vinnikov, Dmitri**; Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860 <https://doi.org/10.1109/ACCESS.2020.3038822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **CM voltage compensator for DC/DC converters [Electronic resource]**

Smolenski, Robert; Jamut, Marcin; Bojarski, Jacek; **Blinov, Andrei**; **Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 264-268 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6601167>

#### **CMOS low power current source with reduced circuit complexity**

**Kasemaa, Argo**; **Rang, Toomas**; **Anus, Paul** IEEE 9th International New Circuits and Systems Conference (NEWCAS) : Bordeaux-France, 26-29 June 2011 : [proceedings] 2011 / p. 17-20 <https://www.semanticscholar.org/paper/CMOS-low-power-current-source-with-reduced-circuit-Kasemaa-Rang/f5e490ce914a4c6c3195586a28147211c928c28d>

#### **CNN-Transformer Hybrid Model Towards Automated Droplet Image Quality Assessment of Portable Imaging Flow Cytometer**

**Afrin, Fariha**; Ndubuisi Ezechukwu, Dismas; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas**; **Koel, Ants** IEEE EUROCON 2025 - 21st International Conference on Smart Technologies 2025 / 6 p <https://doi.org/10.1109/EUROCON64445.2025.11073334>

#### **Coalitional game-based transactive energy management in local energy communities**

Feng, Changsen; **Wen, Fushuan**; You, Shi; Li, Zhiyi; Shahnian, Farhad; Shahidehpour, Mohammad IEEE Transactions on Power Systems 2020 / p. 1729 - 1740 <https://doi.org/10.1109/TPWRS.2019.2957537> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Code coverage analysis using high-level decision diagrams [Electronic resource]**

**Raik, Jaan**; **Reinsalu, Uljana**; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Ellervee, Peeter** 2008 IEEE Design and Diagnostics of Electronic Circuits and Systems : Bratislava, Slovakia, April 16-18, 2008 2008 / p. 201-207 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4538786>

#### **Code development of a DSP-FPGA based control platform for power electronics applications**

Minambres-Marcos, Victor; **Roasto, Indrek**; Szczepankowski, P.; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Barrero-Gonzalez, Fermin 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 2015 / p. 2890-2895 : ill <https://doi.org/10.1109/ICIT.2015.7125524> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Co-design of a wireless networked control system for reliability and resource-efficiency**

**Ashraf, Kanwal**; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 7 p <https://doi.org/10.1109/BEC61458.2024.10737965> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Co-design of wireless networked control systems : a reliable and resource-efficient approach**

**Ashraf, Kanwal**; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** techrxiv.org 2024 / 9 p. : ill <https://www.techrxiv.org/users/693853/articles/683291-co-design-of-wireless-networked-control-systems-a-reliable-and-resource-efficient-approach>

#### **Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications**

**Jõemaa, Rauno**; **Gyimah, Nafisat**; **Ashraf, Kanwal**; **Pärnamets, Kaiser**; **Zaft, Alexander**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 <https://doi.org/10.1109/ACCESS.2023.3316726> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Coil design for wireless power transfer with series-parallel compensation**

Shevchenko, Viktor; **Husev, Oleksandr**; Pakhaliuk, Bohdan; Karlov, Olexii; Kondratenko, Igor 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering (UKRCON) 2019 / p. 401-407 <https://doi.org/10.1109/UKRCON.2019.8879877>

#### **Coil-to-coil efficiency of ISS-compensated inductive wireless power transfer links operating with load-independent output voltage at fixed frequency**

Belenky, A.; **Chub, Andrii**; Kuperman, A. 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 617-621 : ill

**A combination of two NLMS filters in an adaptive line enhancer [Electronic resource]**

**Trump, Tõnu** 17th International Conference on Digital Signal Processing, 6-8 July 2011, Corfu, Greece : proceedings 2011 / [6 p.] : ill. [CD-ROM]

**Combinational fault simulation in sequential circuits**

**Ubar, Raimund-Johannes; Kõusaar, Jaak; Gorev, Maksim; Devadze, Sergei** 2015 IEEE International Symposium on Circuits and Systems : 24-27 May 2015, Lisboa, Portugal : [proceedings] 2015 / p. 2876-2879 : ill <https://doi.org/10.1109/ISCAS.2015.7169287>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Combined active frequency drift islanding detection method for NZEB energy router**

**Jalakas, Tanel; Roasto, Indrek; Najafzadeh, Mahdiyyeh** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p  
<https://doi.org/10.1109/RTUCON48111.2019.8982258>

**Combined fault-model free cause-effect and effect-cause fault diagnosis in block-level digital networks**

**Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan** ASQED'09 : 1st Asia Symposium on Quality Electronic Design : Kuala Lumpur, Malaysia, July 15-16, 2009 2009 / p. 385-390 <https://ieeexplore.ieee.org/document/5206232>

**Combined FE and two dimensional spectral analysis of broken cage faults in induction motors**

**Martinez, Javier; Belahcen, Anouar; Arkkio, Antero** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Vienna, Austria, 10-14 November, 2013 2013 / p. 2674-2679 : ill <https://ieeexplore.ieee.org/document/6699553>

**A combined method for error and complexity reduction in fuzzy rule-based classification**

**Riid, Andri; Preden, Jürgo-Sören** IEEE International Conference on Fuzzy Systems : August 2-5, 2015, Istanbul, Turkey 2015 / [6] p. : ill <https://doi.org/10.1109/FUZZ-IEEE.2015.7337806> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Combined pseudo-exhaustive and deterministic testing of array multipliers**

**Oyeniran, Adeboye Stephen; Azad, Siavoosh Payandeh; Ubar, Raimund-Johannes** 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) : THETA 21st edition, 24th-26th May, Cluj-Napoca, Romania : proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/AQTR.2018.8402708>

**Combining airborne and terrestrial laser scanning to monitor coastal processes**

**Julge, Kalev; Eelsalu, Maris; Grünthal, Erko; Märdla, Silja; Ellmann, Artur; Soomere, Tarmo; Tõnisson, Hannes** 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [10] p. : ill

**Combining JSON-LD with first order logic**

**Tammet, Tanel; Sutcliffe, Geoff** Proceedings - 2021 IEEE 15th International Conference on Semantic Computing, ICSC 2021 2021 / p. 256 - 261 <https://doi.org/10.1109/ICSC50631.2021.00051> [Article at Scopus](#) [Article at WOS](#)

**Commercial property tokenizing with smart contracts**

**Norta, Alexander; Fernandez, Chad; Hickmott, Stefan** 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4801-4808 <https://doi.org/10.1109/IJCNN.2018.8489534> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Common mode voltage reduction and neutral-point voltage balance for quasi-Z-source three-level neutral-point-clamped inverters**

**Liu, Wenjie; Yang, Yongheng; Li, Weilin; Zhang, Xiaobin; Husev, Oleksandr; Vinnikov, Dmitri** International Power Electronics Conference (IPEC-Himeji 2022- ECCE Asia) 2022 / p. 934-939 <https://doi.org/10.23919/IPEC-Himeji2022-ECCE53331.2022.9806905>

**Communication modelling and synthesis for NoC-based systems with real-time constraints**

**Tagel, Mihkel; Ellervee, Peeter; Hollstein, Thomas; Jervan, Gert** Proceedings of the 2011 IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 13-15, 2011, Gottbus, Germany 2011 / p. 237-242 : ill  
<https://www.semanticscholar.org/paper/Communication-modelling-and-synthesis-for-NoC-based-Tagel-Ellervee/71f9595d88ed06b63367b87188b218fe6da6bd97>

**Community battery sizing for distribution level RES hosting capacity improvement**

**Peterson, Kristijan; Shabbir, Noman; Astapov, Victor; Kütt, Lauri; Kamran, Daniel** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p  
<https://doi.org/10.1109/RTUCON62997.2024.10830871>

**Compact empirical model for droplet generation in a Lab-on-Chip cytometry system**

**Pärnamets, Kaiser; Udal, Andres; Koel, Ants; Pardy, Tamas; Gyimah, Nafisat; Rang, Toomas** IEEE Access 2022 / p. 127708-127717 <https://doi.org/10.1109/ACCESS.2022.3226623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Compact multichannel device for differential impedance spectroscopy of microfluidic sensors [Online resource]**

**Ojarand, Jaan; Ehrminger, Robin Benjamin; Min, Mart; Koel, Ants** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill  
<http://doi.org/10.1109/BEC.2018.8600955>

### **Comparative analysis of boost and quasi-Z-source converters as maximum power point trackers for PV panel integrated converters**

**Zakis, Janis; Rankis, Ivars; Ribickis, Leonids** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 1991-1995 : ill

### **Comparative analysis of buck-boost inverters based on unfolding circuit versus H5, H6, HERIC topologies**

**Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri; Vosoughi Kurdkandi, Naser** 2022 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) 2022 / p. 547-552  
<https://doi.org/10.1109/SPEEDAM53979.2022.9842282>

### **Comparative analysis of electric drives met for vehicle propulsion**

**Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu; Rassõlkin, Anton; Lillo, Nikolai** 9th International Conference on Ecological Vehicles and Renewable Energies EVER 2014 2014 / [8] p. : ill

### **Comparative analysis of HVAC cable metallic sheath modelling approaches for network studies**

**Kangro, Triin; Kilter, Jako; De Silva, Jeewantha** 2018 18th International Conference on Harmonics and Quality of Power (ICHQP 2018) : Ljubljana, Slovenia, 13 – 16 May 2018 2018 / 6 p. : ill <https://doi.org/10.1109/ICHQP.2018.8378924>

### **Comparative analysis of pattern mining algorithms for event logs**

**Gasimov, Orkhan; Vaarandi, Risto; Pihelgas, Mauno** 2023 IEEE International Conference on Cyber Security and Resilience (CSR) : Venice, Italy, 2023 2023 / 7 p <https://doi.org/10.1109/CSR57506.2023.10224996>

### **Comparative analysis of reliability for string and central inverter PV systems in accordance with the FMECA**

**Dumnic, Boris; Liivik, Elizaveta; Popadic, Bane; Blaabjerg, Frede; Milicevic, Dragan; Katic, Vladimir** 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 591-596 <https://doi.org/10.1109/PEDG48541.2020.9244404>

### **Comparative evaluation of a DAB converter and SRC for DC buildings application**

**Carvalho da Silva, Edivan Laercio; Chub, Andrii; Blinov, Andrei; Banavath, Satish Naik; Vinnikov, Dmitri** 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 6 p <https://doi.org/10.1109/PEMC61721.2024.10726346>

### **Comparative evaluation of dual-purpose converters suitable for application in dc and ac grids**

**Husev, Oleksandr; Matiushkin, Oleksandr; Jalakas, Tanel; Vinnikov, Dmitri; Vosoughi Kurdkandi, Naser** IEEE journal of emerging and selected topics in power electronics 2024 / p. 1337-1347 <https://doi.org/10.1109/JESTPE.2023.3243857>

### **Comparative evaluation of isolated dc-dc converters for low power applications**

**Azizi, Mohammadreza; Husev, Oleksandr; Vinnikov, Dmitri; Veligorskyi, Oleksandr** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 7-12  
<https://doi.org/10.1109/PEMC51159.2022.9962944>

### **Comparative evaluation of multicoil inductive power transfer approaches based on Z-source network**

**Pakhaliuk, Bohdan; Husev, Oleksandr; Strzelecki, Ryszard; Shevchenko, Viktor; Maksym, Khomenko** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering (UKRCON) 2019 / 5 p <https://doi.org/10.1109/UKRCON.2019.8880002>

### **Comparative evaluation of various generations of Controller Area Network based on timing analysis**

**Berisa, Aldin; Panjevic, Adis; Kovac, Imran; Lyngbäck, Hans; Ashjaei, Mohammad; Daneshtalab, Masoud; Sjödin, Mikael; Mubeen, Saad** 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) 2023 / p. 1-8  
<https://doi.org/10.1109/ETFA54631.2023.10275549>

### **Comparative measurement of cardiac cycle by means of different sensors**

**Priidel, Eiko; Land, Raul; Sinivee, Veljo; Annus, Paul; Min, Mart** 2017 Electronics : proceedings of the 21st International Conference : June 19th-21st, 2017, Palanga, Lithuania 2017 / [5] p. : ill <https://doi.org/10.1109/ELECTRONICS.2017.7995221>

### **Comparative Study of Advanced Heatsink Structures for Improved Thermal Performance in Axial Flux Motors**

**Sarap, Martin; Singh, Shalini; Kallaste, Ants; Qureshi, Ahmed Jawad; Tiismus, Hans; Vaimann, Toomas; Ghahfarokhi, Payam Shams** IEEE Access 2025 / p. 100850-100860 <https://doi.org/10.1109/ACCESS.2025.3577289>

### **Comparative study of field-oriented control model in application for induction and synchronous reluctance motors for life-cycle analysis**

**Autsou, Siarhei; Saroka, Viktor; Karpovich, Dzmitry; Rassõlkin, Anton; Gevorkov, Levon; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton** 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill <https://doi.org/10.1109/IWED.2018.8321371>

### **Comparative study of LED ballasts for different light regulation techniques**

**Milaševski, Irena;** Tetervenok, Oleg; Suzdalenko, Alexander 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia 2012 / p. DS2b.16-1-DS2b.16-6 : ill <https://ieeexplore.ieee.org/document/6397269>

### **Comparative study of possible implementations of the flexible power electronic interface for wide-range high step-up applications in DC microgrid**

**Khan, Salman; Chub, Andrii; Vinnikov, Dmitri;** Kasper, Matthias; Deboy, Gerald 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604370>

### **Comparative study of smart lighting grids with LEDs operated with concentrated, localized or distributed control [Electronic resource]**

Suzdalenko, Alexander; **Milaševski, Irena;** Galkin, Ilja SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 1437-1441 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6264633>

### **Comparative study of steady-state performance of voltage and current fed dimmable LED drivers [Electronic resource]**

Galkin, Ilja; Tetervenok, Oleg; **Milaševski, Irena** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 292-297 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6601172>

### **Comparative study of the phase-integrated converter as universal power converter**

**Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri; Vosoughi Kurdkandi, Naser;** Kouro, Samir Annual IEEE Conference on Applied Power Electronics Conference and Exposition (APEC) 2022 / p. 58-63 <https://doi.org/10.1109/APEC43599.2022.9773553> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **A comparative study on graph-based ranking algorithms for consumer-oriented demand side management**

**Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard;** Levron, Yoash 2021 IEEE Madrid PowerTech 2021 / 6 p <https://doi.org/10.1109/PowerTech46648.2021.9494752>

### **Comparison and verification of boost control methods for full soft-switching bidirectional current-fed isolated full-bridge DC-DC converter [Online resource]**

**Kosenko, Roman; Chub, Andrii; Blinov, Andrei** 2016 II International Young Scientists Forum on Applied Physics and Engineering (YSF-2016) : forum proceedings 2016 / p. 6-9 : ill <https://doi.org/10.1109/YSF.2016.7753748>

### **A comparison between three-phase conventional two-stage ac-dc and single-stage matrix converter approaches**

**Mohseni, Parham; Emiliani, Pietro; Husev, Oleksandr; Vinnikov, Dmitri; Mackay, Laurens** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227438>

### **A comparison of a discrete-time PI and an indirect MPC current controllers for a single-phase grid-connected inverter operating with distorted grid and significant computation feedback delay**

Pimentel, Sergio Pires; **Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii; Kütt, Lauri;** Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC) 2019 / 6 p.: ill <https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396>

### **Comparison of current harmonic emission by different lighting technologies**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Shabbir, Noman; Asad, Bilal** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p <http://toc.proceedings.com/52742webtoc.pdf>

### **Comparison of DBaaS Architectures**

**Astrova, Irina;** Koschel, Arne; Eickemeyer, Chris; Offel, Norman 2018 9th International Conference on Information, Intelligence, Systems and Applications (IISA 2018) : Zakynthos, Greece, 23-25 July 2018 2018 / p. 1-5 : ill <https://doi.org/10.1109/IISA.2018.8633590>

### **Comparison of decoupling control strategies for multiple active bridge DC-DC converter**

Cai, Yicong; Buticchi, Giampaolo; Gu, Chunyang; Li, Jing; **Carvalho da Silva, Edivan Laercio;** Zhang, He 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227395>

### **Comparison of excitation signals and methods for a wideband bioimpedance measurement**

**Ojarand, Jaan; Rist, Marek; Min, Mart** I2MTC 2016 : 2016 IEEE International Instrumentation and Measurement Technology Conference : May 23-26, 2016, Taipei International Convention Center, Taipei, Taiwan : proceedings 2016 / p. 1291-1296 : ill <https://doi.org/10.1109/I2MTC.2016.7520555> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Comparison of full power and partial power buck-boost DC-DC converters for residential battery energy storage**

## applications

**Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 6 | <https://doi.org/10.1109/CPE-POWERENG54966.2022.9880862>

**Comparison of grid-connected flyback-based microinverter with primary and secondary side decoupling approach**  
**Afshari, Hossein; Husev, Oleksandr; Vinnikov, Dmitri; Matiushkin, Oleksandr; Vosoughi Kurdkandi, Naser** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / p. 1-6 <https://doi.org/10.1109/RTUCON56726.2022.9978855>

**Comparison of impedance-source networks for two and multilevel buck-boost inverter applications**  
**Husev, Oleksandr; Blaabjerg, Frede; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Siwakoti, Yam P.; Strzelecki, Ryszard** IEEE transactions on power electronics 2016 / p. 7564-7579 : ill <https://doi.org/10.1109/TPEL.2016.2569437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of isolated boost full bridge converters for power factor correction application**  
**Zinchenko, Denys; Blinov, Andrei; Vinnikov, Dmitri** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 7 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982361>

**Comparison of machine learning algorithms for classification of partial discharge signals in medium voltage components**  
**Kumar, Haresh; Shafiq, Muhammad; Hussain, Ghulam Amjad; Kauhaniemi, Kimmo** 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 6 p <https://doi.org/10.1109/ISGTEurope52324.2021.9639923>

**Comparison of machine learning based methods for residential load forecasting**  
**Shabbir, Noman; Ahmadiahangar, Roya; Kütt, Lauri; Rosin, Argo** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärđla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818267>

**Comparison of model order reduction methods for a switched reluctance machine characterization**  
**Boumesbah, Allaa Eddine; Martin, Florian; Krebs, Guillaume; Belahcen, Anouar; Marchand, Claude** IEEE transactions on magnetics 2021 / art. 9355193, 7 p. : ill <https://doi.org/10.1109/TMAG.2021.3059969> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of (N+1) redundancy and fault tolerance approaches in single-stage series-connected isolated MVAC to LVDC converters**  
**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Blinov, Andrei; Bayhan, Sertac; Vinnikov, Dmitri** 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 469-474 : ill <https://doi.org/10.1109/ICCEP57914.2023.10247478>

**Comparison of performance of phase-shift and asymmetrical pulse width modulation techniques for the novel galvanically isolated buck-boost dc-dc converter for photovoltaic applications**  
**Vinnikov, Dmitri; Chub, Andrii; Kosenko, Roman; Zakis, Janis; Liivik, Elizaveta** IEEE journal of emerging and selected topics in power electronics 2017 / p. 624-637 : ill <https://doi.org/10.1109/JESTPE.2016.2631628> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of renewable electricity generation options with household electrical load patterns**  
**Auväärt, Aivar; Rosin, Argo; Rosin, Kai; Drovtar, Imre; Lehtla, Madis** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 1555-1560 : ill <https://ieeexplore.ieee.org/document/6699364> <https://doi.org/10.1109/IECON.2013.6699364> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Comparison of single-rate and two-rate neural control approaches for coaxial rotor/ducted-fan UAV for situational awareness applications**  
**Pedai, Andrus; Astrov, Igor; Udal, Andres** 2018 IEEE 16th International Symposium on Intelligent Systems and Informatics (SISY), 13-15 Sept. 2018 : proceedings 2018 / p. 63-68 : ill <http://dx.doi.org/10.1109/SISY.2018.8524720>

**Comparison of soft switching methods of DC-AC full bridge high-frequency link converter**  
**Korkh, Oleksandr; Blinov, Andrei; Kosenko, Roman; Vinnikov, Dmitri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659898>

**Comparison of spectrally sparse excitation signals for fast bioimpedance spectroscopy : in the context of cytometry**  
**Ojarand, Jaan; Land, Raul; Min, Mart** MeMeA 2012 IEEE International Symposium on Medical Measurements and Applications : proceedings : May 18-19, 2012, Budapest, Hungary 2012 / 5 p. : ill <https://ieeexplore.ieee.org/document/6226631>

**Comparison of synchronous reluctance machine and permanent magnet-assisted synchronous reluctance machine performance characteristics**

**Heidari, Hamidreza; Andriushchenko, Ekaterina; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas; Demidova, Galina** 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 5 p. : ill <https://doi.org/10.1109/IWED48848.2020.9069583>

**Comparison of the carbon nanofiber-/fiber- and silicone-based electrodes for bioimpedance measurements**

**Kõiv, Hip; Pesti, Ksenija; Min, Mart; Land, Raul;** Must, Indrek IEEE transactions on instrumentation and measurement 2020 / p. 1455-1463 <https://doi.org/10.1109/TIM.2019.2962297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of the impact of different household occupancies on load matching algorithms**

**Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo;** Biechl, Helmuth; **Korõtko, Tarmo** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/PQ.2019.8818270>

**A comparison of the vector control of synchronous reluctance motor and permanent magnet-assisted synchronous reluctance motor**

**Heidari, Hamidreza; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas; Andriushchenko, Ekaterina; Belahcen, Anouar;** Razzaghi, Arash 2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED) : proceedings 2021 / 6 p. : ill <https://doi.org/10.1109/ACED50605.2021.9462265>

**Comparison of three MPPT algorithms for three-level neutral-point-clamped qZ-Source inverter [Electronic resource]**

Roncero-Clemente, Carlos; **Husev, Oleksandr;** Minambres-Marcos, Victor; **Stepenko, Serhii;** Romero-Cadaval, Enrique; **Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 80-85 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6601133>

**Compensation topologies in IPT Systems : standards, requirements, classification, analysis, comparison and application**

Shevchenko, Viktor; **Husev, Oleksandr;** Strzelecki, Ryszard IEEE Access 2019 / art. 2937891, p. 120559–120580 : ill <https://doi.org/10.1109/ACCESS.2019.2937891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Competence Based Interactive Learning with HomeLabKits : experience and work in progress**

**Jaanus, Martin; Umbleja, Kadri; Kuk, Vello; Udal, Andres** 2014 IEEE Global Engineering Education Conference (EDUCON) : Istanbul, Turkey, April 2-5, 2014 2014 / 1082-1084 : ill

**Competence-based approach to learning**

**Umbleja, Kadri; Kuk, Vello; Jaanus, Martin** 2013 IEEE Global Engineering Education Conference (EDUCON) : 13-15 March 2013, Technische Universität Berlin, Berlin, Germany 2013 / p. 552-559 : ill

**A competitive framework for the participation of multi-microgrids in the community energy trading market: A case study**

**Zahraoui, Younes; Korõtko, Tarmo; Rosin, Argo;** Zidane, Tekai Eddine Khalil; **Agabus, Hannes;** Mekhilef, Saad IEEE Access 2024 / p. 68232-68248 <https://doi.org/10.1109/ACCESS.2024.3399168> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Competitiveness of wood fuel in the conditions of open electricity market in Post-Kyoto period : case study for Estonia**

**Volkova, Anna; Roos, Inge; Soosaar, Sulev; Siirde, Andres** Proceedings of 3rd International Conference on Clean Electrical Power, Renewable Energy Resources Impact, Ischia, Italy, 14th-16th June, 2011 2011 / p. 660-667 : ill

**Complex delay fault reasoning with sequential 7-valued algebra**

**Kõusaar, Jaak; Ubar, Raimund-Johannes; Aleksejev, Igor** 2015 16th Latin American Test Symposium (LATS 2015) : Puerto Vallarta, Mexico, 25-27 March 2015 2015 / [6] p. : ill <http://dx.doi.org/10.1109/LATW.2015.7102403>

**Complex division by Baudhayan triplet algorithm using novel state of the art USP-awadhoot divider**

**Patankar, Udayan Sunil; Koel, Ants;** Patankar, Sunil M.; Flores, Miguel E. IEEE 4th Advanced Information Management, Communicates, Electronic and Automation Control Conference (IMCEC) 2021 / p. 1918-1922 <https://doi.org/10.1109/IMCEC51613.2021.9482010>

**Complexities associated with modeling of residential electricity consumption**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659812>

**Compliance assessment of a phasor measurement unit to IEC 61000-4-30 class a for power quality measurements in transmission systems**

**Löper, Mari; Kilter, Jako;** Stiegler, Robert; Meyer, Jan 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p <https://doi.org/10.1109/PQ.2019.8818272>

**Compliance testing concept of grid-connected inverter-based resources using simulated input**

Dvoracek, Jiri; Drapela, Jiri; Moravek, Jan; Vojtek, Martin; Toman, Petr; **Rassölkin, Anton; Vaimann, Toomas** 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / p. 1-6 <https://doi.org/10.1109/EPE58302.2023.10149232>

### **Components selection of local power supply system for sparsely populated areas**

**Kallaste, Ants; Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 181-186 : ill

### **Composing graph theory and deep neural networks to evaluate SEU type soft error effects**

**Balakrishnan, Aneesh;** Lange, Thomas; Glorieux, Maximilien; Alexandrescu, Dan; **Jenihhin, Maksim** 9th Mediterranean Conference on Embedded Computing (MECO'2020), Budva, Montenegro, 8-11 June 2020 2020 <https://doi.org/10.1109/MECO49872.2020.9134279>

### **Comprehensive comparison of grid-connected flyback-based microinverter with primary and secondary side decoupling approach**

**Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Pourjafar, Saeed;** Kurdkandi, Naser Vosoughi; **Vinnikov, Dmitri** IEEE transactions on industry applications 2024 / p. 9080-9089 <https://doi.org/10.1109/TIA.2024.3452069>

### **Comprehensive comparison of isolated high step-up dc-dc converters for low power application**

**Pourjafar, Saeed; Afshari, Hossein; Mohseni, Parham; Husev, Oleksandr; Matiushkin, Oleksandr; Shabbir, Noman** IEEE open journal of power electronics 2024 / p. 1149–1161 <https://doi.org/10.1109/OJPEL.2024.3433554>

### **Comprehensive computations of the response of faulty cage induction machines**

**Belahcen, Anouar;** Martinez, Javier; **Vaimann, Toomas** Proceedings of the 2014 International Conference on Electrical Machines (ICEM) 2014 / p. 1504-1509 : ill

### **A comprehensive market mechanism for decentralized P2P energy trading platform**

**Zahraoui, Younes; Korötko, Tarmo; Agabus, Hannes; Rosin, Argo** 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) 2024 / p. 972-977 <https://doi.org/10.1109/MELECON56669.2024.10608740>

### **A comprehensive methodology for stress procedures evaluation and comparison for Burn-In of automotive SoC**

Appello, D.; Bernardi, P.; Giacomelli, G.; **Ruberg, Priit** Proceedings of the 2017 Design, Automation & Test in Europe (DATE) : 27-31 March 2017, Swisstech, Lausanne, Switzerland 2017 / p. 646-649 : ill <https://doi.org/10.23919/DATE.2017.7927068>

### **Comprehensive performance and robustness analysis of 2D turn models for network-on-chips**

**Azad, Siavoosh Payandeh; Niazmand, Behrad; Janson, Karl; Kogge, Thilo; Raik, Jaan; Jervan, Gert; Hollstein, Thomas** 2017 IEEE International Symposium on Circuits and Systems (ISCAS) 2017 / p. 1476-1479 : ill <https://doi.org/10.1109/ISCAS.2017.8050634> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A comprehensive review on DC fast charging stations for electric vehicles: standards, power conversion technologies, architectures, energy management, and cybersecurity**

Arena, Gabriele; **Chub, Andrii;** Lukianov, Mykola; Strzelecki, Ryszard; **Vinnikov, Dmitri;** de Carne, Giovanni IEEE open journal of power electronics 2024 / p. 1573-1611 <https://doi.org/10.1109/OJPEL.2024.3466936>

### **A comprehensive survey on revolutionizing connectivity through artificial intelligence-enabled digital twin network in 6G**

Sheraz, Muhammad; Chuah, Teong Chee; Lee, Ying Loong; **Alam, Muhammad Mahtab;** Al-Habashna, Ala'a; Han, Zhu IEEE Access 2024 / p. 49184-49215 <https://doi.org/10.1109/ACCESS.2024.3384272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Computation of hysteresis torque and losses in a bearingless synchronous reluctance machine**

**Belahcen, Anouar;** Mukhrejee, Victor; Martin, Florian; Rasilo, Paavo IEEE transactions on magnetics 2018 / art. 7300804, 4 p. : ill <https://doi.org/10.1109/TMAG.2017.2765080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Computation of stator vibration of an induction motor using nodal magnetic forces [Online resource]**

Sathyan, Sabini; **Belahcen, Anouar;** Kataja, Juhani; **Vaimann, Toomas;** Sobra, Jan 2016 XXII International Conference on Electrical Machines (ICEM) : SwissTech Convention Center, Lausanne, Switzerland, 04-07 September, 2016 : proceedings 2016 / p. 2198-2203 : ill <https://doi.org/10.1109/ICELMACH.2016.7732827>

### **Computational fluid dynamics simulations of a biomimetic underwater robot**

**Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja** 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August, 2007 2007 / p. 314-319 [https://ims.ut.ee/images/d/d4/Listak\\_icar2007\\_15\\_03.pdf](https://ims.ut.ee/images/d/d4/Listak_icar2007_15_03.pdf)

### **Computational intelligence approach for estimation of vehicle insurance risk level**

**Vassiljeva, Kristina; Tepļakov, Aleksei; Petlenkov, Eduard;** Netšajev, Eduard 2017 International Joint Conference on Neural Networks (IJCNN 2017) : Anchorage, Alaska, USA, 14-19 May 2017 2017 / p. 4073-4078 : ill <https://doi.org/10.1109/IJCNN.2017.7966370> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## Computers in education

Jaakkola, Hannu; **Henno, Jaak**; Mäkelä, Jukka 2023 46th ICT and Electronics Convention (MIPRO), May 22 – May 26, 2023, Opatija, Croatia, Proceedings 2023 / p. 833-839 <https://doi.org/10.23919/MIPRO57284.2023.10159980>

## Concept maps in Power Electronics education [Electronic resource]

**Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 280-285 : ill [CD-ROM]

## Concept of hardware-in-the-loop test platform for microgrid with multi-agent approach

Kuzin, Aleksei; Lukichev, Dmitry; **Demidova, Galina**; Anuchin, Alecksey 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 <https://doi.org/10.1109/RTUCON51174.2020.9316626>

## Concept of the test Bench for electrical vehicle propulsion drive data acquisition

**Rassõlkin, Anton; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Kuts, Vladimir** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 35-42 : ill <https://doi.org/10.1109/ICEPDS47235.2020.9249078>

## Concept of wireless low-voltage DC socket for the residential house application

**Shevchenko, Viktor; Husev, Oleksandr; Pakhaliuk, Bohdan; Vinnikov, Dmitri**; Strzelecki, Ryszard IEEE Access 2024 / p. 143226-143236 <https://doi.org/10.1109/ACCESS.2024.3471691>

## Concepts of additively manufactured electrical machines and components

**Vaimann, Toomas; Tiismus, Hans; Kallaste, Ants** 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 6 p <https://doi.org/10.1109/EPE58302.2023.10149252>

## Conceptual modelling of an EV-permanent magnet synchronous motor digital twin

**Mohamed, Mahmoud Ibrahim Hassanin; Rjabtšikov, Viktor; Jegorov, Sergei; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 156-160 <https://doi.org/10.1109/PEMC51159.2022.9962943>

## Conceptual test bench for small class unmanned autonomous vehicle performance estimation

**Pütsep, Kristjan; Rassõlkin, Anton; Vaimann, Toomas** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 695-698 : ill <https://doi.org/10.1109/PEMC48073.2021.9432509>

## Condition monitoring of electrical machines and its relation to industrial internet

**Belahcen, Anouar**; Gyftakis, Konstantinos N.; Martinez, Javier; Climente-Alarcon, Vicente; **Vaimann, Toomas** 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 233-241 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194535>

## Conditional fault collapsing in digital circuits with shared structurally synthesized BDDs [Online resource]

**Jürimägi, Lembit; Ubar, Raimund-Johannes** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill <https://doi.org/10.1109/BEC.2018.8600967>

## Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters

**Kütt, Lauri; Daniel, Kamran; Sharma, Hetal; Parker, Martin; Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <http://doi.org/10.1109/ICDCM63994.2025.11144729>

## A configurable radio jamming prototype for physical layer attacks against malicious unmanned aerial vehicles

Caforio, Giulio; Scazzoli, Davide; Reggiani, Luca; Magarini, Maurizio; **Le Moullec, Yannick; Alam, Muhammad Mahtab** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277253>

## Consequences of distributed generation on power quality

**Niitsoo, Jaan; Kütt, Lauri; Taklaja, Paul** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 163-167

## Constrained intelligent frequency control in an AC Microgrid : an Online reinforcement learning based PID tuning approach

**Nosrati, Komeil; Tepljakov, Aleksei; Petlenkov, Eduard; Škiparev, Vjatšeslav; Belikov, Juri**; Levron, Yoash 2023 IEEE Power & Energy Society General Meeting (PESGM) 2023 / 5 p. : ill <https://doi.org/10.1109/PESGM52003.2023.10252482>

## Constraint-based hierarchical untestability identification for synchronous sequential circuits

**Raik, Jaan; Rannaste, Anna; Jenihhin, Maksim; Viilukas, Taavi; Ubar, Raimund-Johannes**; Fujiwara, Hideo Sixteenth IEEE

**Constraint-based test pattern generation at the register-transfer level**

**Viilukas, Taavi; Raik, Jaan; Jenihhin, Maksim; Ubar, Raimund-Johannes; Krivenko, Anna** Proceedings of the 13th IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 14-16, 2010, Vienna, Austria 2010 / p. 352-357 : ill <http://dx.doi.org/10.1109/DDECS.2010.5491752>

**Construction of nonlinear feedback strategies for energy storage systems : a stochastic dynamic programming approach**

Chowdhury, Nilanjan Roy; Baimel, Dmitry; **Belikov, Juri**; Levron, Yoash 2021 IEEE Madrid PowerTech 2021 / 6 I <https://doi.org/10.1109/PowerTech46648.2021.9494819>

**Contention aware scheduling for NoC-based real-time systems**

**Tagel, Mihkel; Ellervee, Peeter**; Hollstein, Thomas; **Jervan, Gert** Norchip 2011 : 14-15 November 2011, Lund 2011 / [4] p.: ill

**Continuous blood pressure monitoring using pulse wave delay**

**Meigas, Kalju; Kattai, Rain; Lass, Jaanus** 2001 Conference Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society : 25-28 October 2001, Istanbul, Turkey. Vol. 4 2001 / p. 3171-3174 : ill

**Continuous, near-bed current velocity estimation using pressure and inertial sensing**

**Ristolainen, Asko; Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja** IEEE sensors journal 2019 / p. 12398 - 12406 : ill <https://doi.org/10.1109/JSEN.2019.2937954> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Control allocation for 6-DOF control of a highly manoeuvrable under-actuated bio-inspired AUV**

**Remmas, Mohamed Walid**; Meurer, Christian; Chemori, Ahmed; **Kruusmaa, Maarja** IEEE Transactions on Robotics 2023

**Control challenges of 3D printed switched reluctance motor**

**Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Tiismus, Hans** 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia 30th of January - 02nd of February 2019 : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/IWED.2019.8664282>

**Control features of multicell-type current regulator for resistance welding**

Verbytskyi, Ievgen; Bondarenko, Oleksandr; **Liivik, Elizaveta** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124846>

**Control of an inverted pendulum using an ionic polymer-metal composite actuator**

**Hunt, Andres**; Chen, Zheng; Tan, Xiaobo; **Kruusmaa, Maarja** IEEE/ASME Transactions in Mechatronics : 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : July 6-9, 2010, Montréal, Canada 2010 / p. 163-168 : ill <https://ieeexplore.ieee.org/document/5695913>

**Control of bidirectional grid-forming inverter for nearly zero energy buildings**

**Roasto, Indrek; Jalakas, Tanel; Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659848>

**Control of energy storage devices under uncertainty using nonlinear feedback systems**

Levron, Yoash; **Belikov, Juri** 2020 IEEE Power & Energy Society General Meeting : (PESGM 2020) Montreal, Quebec, Canada, 2-6 August 2020 : proceedings 2020 / p. 95-99 <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9281879>

**Control of hovering manoeuvres in unmanned helicopter for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus** Proceedings of the 2009 IEEE International Conference on Mechatronics and Automation : August 9-12, Changchun, China 2009 / p. 143-146 : ill <https://ieeexplore.ieee.org/document/5156580>

**Control of multiport partial power converters for PV-battery systems integration in DC microgrids**

**Yadav, Neelesh; Mitra, Tuhin**; Makkieh, Ahmad; **Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p <http://doi.org/10.1109/ICDCM63994.2025.11144705>

**Control of pick-and-place robots with reduced power consumption**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 4 p <https://doi.org/10.1109/RTUCON60080.2023.10413180>

**Control scheme of a Three-Phase Three-Level NPC qZ-Source inverter with LCL filter for RES applications**

Roncero-Sanches, Pedro; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Makovenko, Elena** Proceedings of the IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society : Florence, Italy, October 24-27 2016 2016 / p. 6540-6547 <https://doi.org/10.1109/IECON.2016.7793338> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at](#)

**A control strategy for a grid-connected PV system with unbalanced loads compensation**

Fernao Pires, Vitor; **Husev, Oleksandr; Vinnikov, Dmitri**; Martins, Joao 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 154-159 : ill <https://doi.org/10.1109/CPE.2015.7231065>

**Control system simulation of a 40kW half-bridge isolated DC/DC converter [Electronic resource]**

**Roasto, Indrek; Vinnikov, Dmitri** EPE 2007 : 12th European Conference on Power Electronics and Applications : 2-5 September 2007, Aalborg, Denmark 2007 / [10] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4417224>

**Controlled bidirectional DC circuit breaker with zero negative current for high load shift applications**

Raghavendra I, Venkata; Naik, Satish B.; Sreekanth, Thamballa; **Chub, Andrii** IEEE transactions on industry applications 2022 / p. 6942-6951 <https://doi.org/10.1109/TIA.2022.3193345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Controller design for interleaved bidirectional dc-dc converter with coupled inductors**

Tytelmaier, Kostiantyn; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Khomenko, Maksym; Khomenko, Oleh 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 570-573 : ill <https://doi.org/10.1109/UKRCON.2017.8100306>

**Controlling a battery energy storage system to support residential photovoltaic installations**

Fernao Pires, Vitor; Martins, Joao; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr** 2017 IEEE International Symposium on Industrial Electronics (ISIE) : Edinburgh International Conference Centre, Edinburgh, Scotland, United Kingdom, 19-21 June, 2017 : proceedings 2017 / p. 1769-1774 : ill <https://doi.org/10.1109/ISIE.2017.8001516>

**Convergence of output signal based combination of two LMS adaptive filters**

**Trump, Tõnu** IEEE 26-th Convention of Electrical and Electronics Engineers in Israel (IEEEI 2010) : Nov. 17-20, 2010, Eilat 2010 / p. 109-113 <https://ieeexplore.ieee.org/document/5661910>

**Conversion error of exponential to second order polynomial ZIP load model conversion**

**Leinakse, Madis; Kilter, Jako** 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 12-15 June 2018 : conference proceedings 2018 / p. 1-5 <https://doi.org/10.1109/EEEIC.2018.8493667>

**Converter state-space model estimation using dynamic mode decomposition**

Suskis, Pavels; Zakis, Janis; Suzdalenko, Alexander; Khang, Huynh Van; **Rassõlkin, Anton; Vaimann, Toomas**; Pomarnacki, Raimondas 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 5 I <https://doi.org/10.1109/ENERGYCON53164.2022.9830201>

**Cooperative control of flywheel energy storage system and diesel generator for frequency regulation of microgrids using digital FIR filters**

Faraji, M.; Mahdavi, Mohammad Saeed; **Gharehpetian, Gevork B.; Ahmadihangar, Roya; Rosin, Argo** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227448>

**Cooperative interference avoidance scheduler for radio resource management in NB-IoT systems**

**Mwakwata, Collins Burton; Alam, Muhammad Mahtab; Le Moullec, Yannick; Malik, Hassan; Päränd, Sven** EuCNC 2020: 2020 European Conference on Networks and Communications (EuCNC), Dubrovnik, Croatia, Croatia, 15-18 June 2020 : proceedings 2020 / p. 154-159 <https://doi.org/10.1109/EuCNC48522.2020.9200967>

**Cooperative scheduler to enhance massive connectivity in 5G and beyond by minimizing interference in OMA and NOMA**

**Mwakwata, Collins Burton; Elgarhy, Osama Mohamed Mostafa; Alam, Muhammad Mahtab; Le Moullec, Yannick; Päränd, Sven; Trichias, Konstantinos; Ramantas, Kostas** IEEE Systems Journal 2022 / p. 5044-5055 <https://doi.org/10.1109/JSYST.2021.3114338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Coordination issues in modular systems**

**Lints, Taivo** 4th Annual IEEE Systems Conference : San Diego, CA, April 5-8, 2010 2010 / p. 202-206 <https://ieeexplore.ieee.org/document/5482482>

**Correcting systematic errors in corona losses measured with phasor measurement units**

**Tuttelberg, Kaur; Löper, Mari; Kilter, Jako** IEEE transactions on power delivery 2019 / p. 2275-2277 : ill <https://doi.org/10.1109/TPWRD.2019.2917610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correcting tide gauge series due to land uplift and differences between national height systems of the Baltic Sea countries**

Liibus, Aive; Kall, Tarmo; **Ellmann, Artu; Kõuts, Tarmo** 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn,

**Corrections to “A novel computational approach for global alignment for multiple biological networks”**

**Ben Yahia, Sadok**; Djeddi, Warith Eddine; Nguifo, Engelbert Mephu IEEE/ACM transactions on computational biology and bioinformatics 2019 / p. 700 <https://doi.org/10.1109/TCBB.2019.2895762>

**Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines”**

**Ghahfarokhi, Payam Shams**; Podgornovs, Andrejs; **Kallaste, Ants**; Marques Cardoso, Antonio J.; **Belahcen, Anouar**; **Vaimann, Toomas**; **Tiismus, Hans**; **Asad, Bilal** IEEE Access 2021 / p. 62532 <https://doi.org/10.1109/ACCESS.2021.3074827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correlation between EEG functional connectivity and fasting blood glucose in healthy subjects**

**Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; Pöld, Toomas; **Bachmann, Maie** 2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2024 / p. 1 - 4 <https://ieeexplore.ieee.org/document/10781613> <https://doi.org/10.1109/EMBC53108.2024.10781613>

**Correlation between electrical bioimpedance and pressure waveform in radial artery and in mechanical pulsating pipe system**

**Metshein, Margus**; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; **Märtens, Olev** 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020 <https://doi.org/10.1109/I2MTC43012.2020.9128972>

**Cost-effective fault tolerance for CNNs using parameter vulnerability based hardening and pruning**

**Ahmadilivani, Mohammad Hasan**; Mousavi, Seyedhamidreza; **Raik, Jaan**; **Daneshtalab, Masoud**; **Jenihhin, Maksim** 2024 IEEE 30th International Symposium on On-line Testing and Robust System Design (IOLTS) : IOLTS 2024 : July 03rd-05th 2024, Rennes, Brittany, France 2024 / 7 p <https://doi.org/10.1109/IOLTS60994.2024.10616072> [Article at Scopus](#) [Article at WOS](#)

**Cost-effective optimization of load shifting in the industry by using intermediate storages**

**Uuemaa, Priit**; **Kilter, Jako**; **Valtin, Juhan**; **Drovtar, Imre**; **Rosin, Argo**; **Puusepp, Andres** Conference proceedings of IEEE ISGT Europe 2013 : 4th IEEE/PES Innovative Smart Grid Technologies Europe 2013 / [5] p

**Cost-effective piggyback forward dc-dc converter**

**Matiushkin, Oleksandr**; **Husev, Oleksandr**; **Afshari, Hossein**; **Vinnikov, Dmitri**; **Strzelecki, Ryszard** 2024 IEEE Applied Power Electronics Conference and Exposition (APEC) 2024 / p. 2106-2111 <https://doi.org/10.1109/APEC48139.2024.10509355> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Cost-efficient improvement of power system's reliability within limited funds**

**Andreesen, Guido**; **Leinakse, Madis**; **Kilter, Jako**; **Landsberg, Mart** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830808>

**Cost-efficient real-time condition monitoring and fault diagnostics system for BLDC motor using IoT and Machine learning**

**Raja, Hadi Ashraf**; **Raval, Hardik**; **Vaimann, Toomas**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Belahcen, Anouar** Diagnostika '22 : 2022 International Conference on Diagnostics in Electrical Engineering : conference proceedings 2022 / 4 p. <https://doi.org/10.1109/Diagnostika55131.2022.9905102>

**Coverage analysis of NB-IoT and sigfox : two Estonian University campuses as a case study**

**Poddar, Nishant**; **Mass, Jakob**; **Khan, Sikandar Muhammad Zulqarnain** 2020 16th International Wireless Communications & Mobile Computing Conference (IWCMC) : Limassol, Cyprus, June 15 - 19, 2020 2020 / p. 1491-1497 : ill <https://doi.org/10.1109/IWCMC48107.2020.9148570>

**Creating "Creative Class"**

**Henno, Jaak**; Jaakkola, Hannu MIPRO 2010 : 33rd International Convention on Information and Communication Technology, Electronics and Microelectronics : May 24 - 28, 2010 Opatija, Croatia : proceedings 2010 / p. 803-806 : ill <https://www.semanticscholar.org/paper/Creating-%E2%80%9Ccreative-class%E2%80%9D-Henno-Jaakkola/2f8077da0bc83f319cb8005c393077fceb5e8b9>

**Creating interactive learning objects with web services**

**Robal, Tarmo**; **Kalja, Ahto** 2009 EAEEIE annual conference : 20th Annual Conference of the European Association for Education in Electrical and Information Engineering : Valencia, Spain, June 22-24, 2009 2009 / [6] p

**Creative knowledge employees' assesment of flexitime utilisability : [Online resource]**

**Hazak, Aaro** 2018 : 10th International Conference on Knowledge and Smart Technology (KST) : Cybernetics in the Next Decades, 31 Jan.-3 Feb. 2018 : [abstracts] 2018 / p. 90-94 : ill <http://dx.doi.org/10.1109/KST.2018.8426204>

**Critical parameter analysis and design of the Quasi-Z-Source inverter**

Liu, Wenjie; Yang, Yongheng; **Liivik, Elizaveta; Vinnikov, Dmitri**; Blaabjerg, Frede 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 474-480 : ill  
<https://doi.org/10.1109/UKRCON.2019.8879831>

**CROW2 : Internet of humans-based platform for disaster relief and emergency communication**

Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Attia, Rabah; Ben Hamida, Elyes; Kadri, Abdullah 14th IEEE Annual Consumer Communications & Networking Conference, CCNC 2017 : Las Vegas, NV, USA, January 8-11, 2017 2017 / p. 578-579 : ill  
<https://doi.org/10.1109/CCNC.2017.7983174>

**CZTS monograin membranes for photoelectrochemical fuel production modifications for fuel production**

**Kouhiisfahani, Elham; Samiepour, Ali**; Morawietz, Tobias; Kraut, Jürgen; Hiesgen, Renate; **Meissner, Dieter** 5th International Conference on Clean Electrical Power : Renewable Energy Resources Impact : Taormina (Italy), 16th-18th June 2015 2015 / p. 222-225 : ill <http://dx.doi.org/10.1109/ICCEP.2015.7177627>

**CZTS monograin membranes for photoelectrochemical fuel production preparation and characterization**

**Samiepour, Ali; Kouhiisfahani, Elham; Galajev, Semjon; Meissner, Dieter** 5th International Conference on Clean Electrical Power : Renewable Energy Resources Impact : Taormina (Italy), 16th-18th June 2015 2015 / p. 212-215 : ill  
<http://dx.doi.org/10.1109/ICCEP.2015.7177625>

**Current harmonics of EV chargers and effects of diversity to charging load current distortions in distribution networks**

**Kütt, Lauri**; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Niitsoo, Jaan** 2013 International Conference on Connected Vehicles and Expo (ICCVE) : proceedings : Las Vegas, Nevada, USA, 2-6 December 2013 2013 / p. 726-731 : ill  
<https://ieeexplore.ieee.org/document/6799884>

**Current practice and future challenges for power quality monitoring – CIGRE WG C4.112 perspective**

**Kilter, Jako** 2012 IEEE 15th International Conference on Harmonics and Quality of Power : proceedings of ICHQP2012 : Kowloon Shangri-La Hotel, Hong Kong, 17-20 June, 2012 2012 / p. 390-397 : ill

**Current practice on power quality legislation within European transmission systems – results from Horizon 2020 project MIGRATE**

**Kilter, Jako; Trummal, Tarmo; Löper, Mari; Palu, Ivo** 2020 19th International Conference on Harmonics and Quality of Power (ICHQP), 6-7 July 2020, Dubai, UAE 2020 <https://doi.org/10.1109/ICHQP46026.2020.9177907>

**Current-fed dual inductor push-pull partial power converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Vinnikov, Dmitri; Chub, Andrii; Blinov, Andrei** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 327-332  
<https://doi.org/10.1109/PEMC51159.2022.9962937>

**Current-fed partial power converter for photovoltaic applications in DC microgrids**

**Jalakas, Tanel; Kosenko, Roman; Chub, Andrii; Vinnikov, Dmitri; Blinov, Andrei** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-5 : ill <https://doi.org/10.1109/IECON48115.2021.9589899> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Curricula reforms through structural reforms**

**Vaimann, Toomas; Rassõlkin, Anton; Palu, Ivo** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 1-5 : ill <https://doi.org/10.1109/ICEPDS47235.2020.9249084>

**Curriculum for business information technology studies at BSc and MSc levels - observations from a long-term educational endeavour**

**Murtazin, Kristina; Shvets, Oleg; Piho, Gunnar** Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / p. 409-418 : ill <https://doi.org/10.1109/EDUCON45650.2020.9125345>

**Curved Airgap Topology : A Promising Strategy for Enhancing Axial-Flux Machine Performance Metrics**

**Naseer, Muhammad Usman; Kallaste, Ants; Vaimann, Toomas; Asad, Bilal** International Conference on the Computation of Electromagnetic Fields (COMPUMAG) 2025

**Custom simplified machine learning algorithms for fault diagnosis in electrical machines**

**Raja, Hadi Ashraf; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Rassõlkin, Anton; Belahcen, Anouar** Diagnostika '22 : 2022 International Conference on Diagnostics in Electrical Engineering : Conference proceedings 2022 / 4 p.  
<https://doi.org/10.1109/Diagnostika55131.2022.9905174>

**Customization methodology of a Coarse Grained Reconfigurable Architecture**

**Azad, Siavoosh Payandeh**; Farahini, Nasim; Hemani, Ahmed Norchip : 32nd NORCHIP Conference, 27-28 October 2014, Tampere, Finland 2014 / [4] p. : ill

**A cyber attack taxonomy for microgrid systems**

**Bahsi, Hayretadin; Dola, Henry Ochieng; Khalil, Shaymaa Mamdouh; Korötko, Tarmo** 2022 17th Annual System of Systems Engineering Conference (SOSE) 2022 / p. 324-331 <https://doi.org/10.1109/SOSE55472.2022.9812642>

**Cyber attacks on power system automation and protection and impact analysis**

Rajkumar, Vetrivel Subramaniam; **Tealane, Marko**; Stefanov, Alexandru; Presek, Alf; Palensky, Peter Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 247-254 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248840>

**Cyber attacks on protective relays in digital substations and impact analysis**

Rajkumar, Vetrivel Subramaniam; **Tealane, Marko**; Stefanov, Alexandru; Palensky, Peter 8th Workshop on Modeling and Simulation of Cyber-Physical Energy Systems(MSCPES), Virtual Workshop, online, from April 21, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/MSCPES49613.2020.9133698>

**Cyber contingencies impacts analysis in cyber physical power system**

Chen, Keren; **Wen, Fushuan; Palu, Ivo** IEEE International Conference on Energy Internet : ICEI 2019, Nanjing, China, 27-31 May, 2019 : proceedings 2019 / p. 37-41 : ill <http://doi.org/10.1109/ICEI.2019.00013>

**Cyber security risk analysis for a virtual assistant G2C digital service using FAIR model**

**Dreyling III, Richard Michael; Jackson, Eric Blake; Pappel, Ingrid** 2021 Eighth International Conference on eDemocracy & eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 33-40 <https://doi.org/10.1109/ICEDEG52154.2021.9530938>

**Cyber-physical control system for autonomous logistic robot**

**Pikner, Heiko; Sell, Raivo; Karjust, Kristo; Malayjerdi, Ehsan; Velsker, Tarmo** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 699-704 : ill <https://doi.org/10.1109/PEMC48073.2021.9432526>

**Cybersecurity test range for autonomous vehicle shuttles**

**Roberts, Andrew James; Snetkov, Nikita; Maennel, Olaf Manuel** 2021 IEEE European Symposium on Security and Privacy Workshops EuroS&PW 2021 : Virtual Conference, 6-10 September 2021 : proceedings 2021 / p. 239-248 : ill <https://doi.org/10.1109/EuroSPW54576.2021.00031>

**Cycle-skipping technique based on sigma-delta modulation in series resonant DC transformer**

Pittala, Lohith Kumar; **Chub, Andrii**; Sidorov, Vadim; **Khan, Salman**; Ricco, Mattia; Mandrioli, Riccardo 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <http://ieeexplore.ieee.org/document/11144699> <https://doi.org/10.1109/ICDCM63994.2025.11144699>

**Cylindrical blades Magnus wind turbine optimization and control system**

Alassaf, Omar; Lukin, Aleksandr; **Demidova, Galina**; Kozlov, Gleb; Volkhontsev, Andrey; Poliakov, Nikolai 29th International Workshop on Electric Drives: Advances in Power Electronics for Electric Drives (IWED) 2022 / p. 1-5 <https://doi.org/10.1109/IWED54598.2022.9722582>

**DAAG-SNP: energy efficient distance and angulation based agglomerative clustering for sink node placement**

Hanif, Maria; Ahmad, Rizwan; Ahmed, Waqas; Driberg, Micheal; **Alam, Muhammad Mahtab** IEEE Open Journal of the Communications Society 2024 / p. 5013-5026 <https://doi.org/10.1109/OJCOMS.2024.3421901>

**Data analysis for embedded software performance and energy consumption estimation**

**Ruberg, Priit; Liiv, Elvar; Lass, Keijo; Ellervee, Peeter** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 928-933 : ill <https://doi.org/10.1109/UKRCON.2019.8879787>

**Data analysis of building sensors for efficient energy management and future trends in the EU**

**Crasta, Cletus J.; Agabus, Hannes** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärkula, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill <https://doi.org/10.1109/PQ.2019.8818242>

**A data clustering algorithm for mining patterns from event logs**

**Vaarandi, Risto** Proceedings of the 3rd IEEE Workshop on IP Operations & Management (IPOM2003) : Kansas City, Missouri, USA, October 1-3, 2003 2003 / p. 119-126 : tab

**Data exchange for shared situation awareness**

**Preden, Jürjo-Sören; Mötus, Leo; Pahtma, Raido; Meriste, Merik** CogSIMA 2012 : 2012 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support : [proceedings] 2012 / p. 198-201 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6188380>

**Data science-based techniques for modelling and diagnostics of battery cells based on end-of-life criteria**

**Zequera, Rolando Antonio Gilbert; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** 2023 International Conference on Electrical Drives and Power Electronics (EDPE) 2023 / 6 p <https://doi.org/10.1109/EDPE58625.2023.10274007>

### **Data to decision : pushing situational information needs to the edge of the network**

**Preden, Jürge-Sören; Kaugerand, Jaanus; Suurjaak, Erki; Astapov, Sergei; Pahtma, Raido; Mötus, Leo** 2015 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision (CogSIMA 2015) : 9-12 March 2015, Orlando, Florida, USA 2015 / p. 158-164 : ill <http://dx.doi.org/10.1109/COGSIMA.2015.7108192>

### **Data type dependent energy consumption estimation**

**Ruberg, Priit; Lass, Keijo; Ellervee, Peeter** 2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark 2016 / [5] p. : ill <https://doi.org/10.1109/NORCHIP.2016.7792916>

### **Data-driven cross-layer fault management architecture for sensor networks**

**Vihman, Lauri; Kruusmaa, Maarja; Raik, Jaan** 16th European Dependable Computing Conference : EDCC 2020 : Virtual Conference, Munich, Germany, 7-10 September 2020 : proceedings 2020 / art. 20094188, p. 33-40  
<https://doi.org/10.1109/EDCC51268.2020.00015>

### **Data-driven model predictive techniques for unknown linear time invariant systems**

**Ghorbani, Majid** IEEE Control Systems Letters 2024 / p. 199 - 204 <https://doi.org/10.1109/LCSYS.2024.3359068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Data-driven risk preference analysis in day-ahead electricity market**

Zhao, Huan; Zhao, Junhua; Qiu, Jing; Liang, Gaoqi; **Wen, Fushuan**; Xue, Yusheng; Dong, Zhao Yang IEEE transactions on smart grid 2021 / p. 2508-2517 : ill <https://doi.org/10.1109/TSG.2020.3036525>

### **DatApollo : Orchestration of serverless functions for scalable data mining**

**Shahin, Mahtab**; Bertl, Markus; Janatian, Nasim; Aznar-Poveda, Juan; Shah, Syed Attique; Fahringer, Thomas; **Arakkal Peious, Sijo**; Draheim, Dirk IEEE Access 2025 / p. 142813-142828 <https://doi.org/10.1109/ACCESS.2025.3591712>

### **Day-ahead PV output power forecasting utilizing boosting recursive lightGBM-LSTM framework**

**Hokmabad, Hossein Nouroollahi; Husev, Oleksandr; Vinnikov, Dmitri; Belikov, Juri; Petlenkov, Eduard** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p  
<https://doi.org/10.1109/ISGTEUROPE56780.2023.10408090>

### **DBaaS comparison : Amazon vs. Microsoft**

**Astrova, Irina**; Koschel, Arne; Eickemeyer, Chris; Kersten, Jan; Offel, Norman International Conference on Information Society (i-Society 2017) 2017 / p. 15-21 <http://doi.org/10.23919/i-Society.2017.8354663>

### **DC droop control strategies and tuning principles**

**Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri**; Mackay, Laurens; **Jalakas, Tanel** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 <https://doi.org/10.1109/RTUCON60080.2023.10412947>

### **DC fast charging of electric vehicles : a review on architecture and power conversion technology**

Arena, Gabriele; **Emiliani, Pietro; Chub, Andrii; Vinnikov, Dmitri**; de Carne, Giovanni 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227492>

### **DC grid interface converter based on three-phase isolated matrix topology with phase-shift modulation**

**Emiliani, Pietro; Blinov, Andrei; Chub, Andrii**; de Carne, Giovanni; **Vinnikov, Dmitri** 2022 IEEE 13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG) 2022 / 6 l. <https://doi.org/10.1109/PEDG54999.2022.9923256>

### **DC integration of residential photovoltaic systems : a survey**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Vinnikov, Dmitri; Blinov, Andrei** IEEE Access 2022 / p. 66974-66991 <https://doi.org/10.1109/ACCESS.2022.3185788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dc leakage current in isolated grid-connected dc nanogrid - origins and elimination methods**

Azizi, Mohammadreza; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Turzvnski, Marek; Strzelecki, Ryszard 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p  
<https://doi.org/10.1109/CPE-POWERENG60842.2024.10604426>

### **DC nano grid control in the residential energy router with the presence of constant power loads**

**Najafzadeh, Mahdiyyeh; Vinnikov, Dmitri; Husev, Oleksandr; Roasto, Indrek** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / p. 1-6 <https://doi.org/10.1109/ENERGYCON53164.2022.9830523>

### **The DC transformer power electronic building block : powering next-generation converter design**

Flores-Bahamonde, Freddy; Renaudineau, Hugues; **Chub, Andrii** IEEE industrial electronics magazine 2023 / p. 21-35  
<https://doi.org/10.1109/MIE.2022.3147168> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **DC-link capacitor minimization in residential energy router through battery utilization**

**Najafzadeh, Mahdiyyeh; Vinnikov, Dmitri; Husev, Oleksandr; Jalakas, Tanel; Roasto, Indrek** 2021 IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Florence, Italy, 14-16 July 2021 2021 / p. 1-6 : ill <https://doi.org/10.1109/CPE-POWERENG50821.2021>

#### **DC-ready flyback-based micro-converter**

**Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604344>

#### **Dead-beat-based model predictive current control for the dual-purpose dc-dc/ac PWM modular power converter**

Roncero-Clemente, Carlos; Escalona, Javier-Gutierrez; Pires, V. Fernao; **Matiushkin, Oleksandr; Milanés-Montero, Maria Isabel; Romero-Cadaval, Enrique** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604328>

#### **Decarbonization dispatching strategy for electric vehicles based on life cycle analysis**

Li, Zhonghui; Xu, Chengwei; Deng, Qing; **Wen, Fushuan; Palu, Ivo** 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Madrid, Spain, 9-12 June 2020 : proceedings 2020 / 5 p. : ill <https://doi.org/10.1109/EEEIC/ICPSEurope49358.2020.9160631>

#### **A decentralized distribution market mechanism considering renewable generation units with zero marginal costs**

Yang, Jiajia; Dong, Zhao Yang; **Wen, Fushuan; Chen, Guo; Qiao, Yichen** IEEE Transactions on Smart Grid 2020 / p. 1724 - 1736 <https://doi.org/10.1109/TSG.2019.2942616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Decomposition model of contract for difference considering market power mitigation**

Xu, Chengwei; Pang, Kaiyuan; **Wen, Fushuan; Palu, Ivo; Gong, Jianrong; Xie, Yuzhe; Chen, Cheng** 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Madrid, Spain, 9-12 June 2020 : proceedings 2020 / 5 p <https://doi.org/10.1109/EEEIC/ICPSEurope49358.2020.9160725>

#### **Decomposition of the EBI signal into components using two channel cross-compensating singular spectrum analysis**

**Krivošei, Andrei; Min, Mart; Annus, Paul; Butsenko, Maksim** 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA 2018) : proceedings : Rome, Italy, June 11-13, 2018 2018 / 5 p. : ill

#### **Deep CNN based classification of the Archimedes spiral drawing tests to support diagnostics of the Parkinson's disease**

**Nõmm, Sven; Zarembo, Sergei; Medijainen, Kadri; Taba, Pille; Toomela, Aaro** IFAC-Papers OnLine 2020 / p. 260-264 <https://doi.org/10.1016/j.ifacol.2021.04.185> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **A deep learning approach for LoS/NLoS identification via PRACH in UAV-assisted public safety networks**

Scazzoli, Davide; Magarini, Maurizio; Reggiani, Luca; **Le Moullec, Yannick; Alam, Muhammad Mahtab** 2020 IEEE 31st Annual International Symposium on Personal, Indoor and Mobile Radio Communications, August 31 - September 3, 2020 in London, United Kingdom : proceedings 2020 / 6 p <https://doi.org/10.1109/PIMRC48278.2020.9217127>

#### **Deep Learning Based Segmentation of Luria's Alternating Series Test to Support Diagnostics of Parkinson's Disease**

**Valla, Elli; Laur, Henry; Nõmm, Sven; Medijainen, Kadri; Taba, Pille; Toomela, Aaro** 2023 International Conference on Machine Learning and Applications (ICMLA) 2023 / p. 1066-1071 : ill <https://doi.org/10.1109/ICMLA58977.2023.00158>

#### **Deep learning for detection of pavement distress using nonideal photographic images**

**Tepljakov, Aleksei; Riid, Andri; Pihlak, Rene; Vassiljeva, Kristina; Petlenkov, Eduard** 2019 42nd International Conference on Telecommunications and Signal Processing (TSP) 2019 / p. 195-200 : ill <https://doi.org/10.1109/TSP.2019.8769086>

#### **Deep Learning methodology for charging management applications in battery cells based on Neural Networks**

**Zequera, Rolando Antonio Gilbert; Rjabtšikov, Viktor; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** IEEE Transactions on Intelligent Vehicles 2025 / p. 668-682 <https://doi.org/10.1109/TIV.2024.3417216>

#### **DeepAxe : a framework for exploration of approximation and reliability trade-offs in DNN accelerators**

**Taheri, Mahdi; Riazati, Mohamad; Ahmadiilvani, Mohammad Hasan; Jenihhin, Maksim; Daneshtalab, Masoud; Raik, Jaan; Sjödin, Mikael; Lisper, Björn** 2023 24th International Symposium on Quality Electronic Design (ISQED) 2023 / 8 p. : ill <https://doi.org/10.1109/ISQED57927.2023.10129353>

#### **DeepFlexiHLS : Deep Neural Network Flexible High-Level Synthesis Directive Generator**

Riazati, Mohammad; **Daneshtalab, Masoud; Sjödin, Mikael; Lisper, Björn** Riazati, M.; Daneshtalab, M.; Sjödin, M.; Lisper, B. 2022 / p. 1-6 <https://doi.org/10.1109/NorCAS57515.2022.9934617>

#### **DeepHLS: A complete toolchain for automatic synthesis of deep neural networks to FPGA**

**Riazati, Mohammad; Daneshtalab, Masoud; Sjödin, Mikael; Lisper, Björn** ICECS 2020 - 27th IEEE International Conference on Electronics, Circuits and Systems, November 23-25, 2020, Virtual Conference : Proceedings 2020 / 4 p

<https://doi.org/10.1109/ICECS49266.2020.9294881>

**Deep-learning based blood cells classification and initial edge device implementation**

Islam, Md. Raisul; **Le Moullec, Yannick; Afrin, Fariha**; Ahmed, Faisal 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill <https://doi.org/10.1109/BEC56180.2022.9935610>

**DeepVigor: Vulnerability Value RanGes and FactORs for DNNs' Reliability Assessment**

**Ahmadilivani, Mohammad Hasan; Taheri, Mahdi; Raik, Jaan; Daneshtalab, Masoud; Jenihhin, Maksim** IEEE European Test Symposium (ETS) : Venice, Italy, 22-26 May 2023 : proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/ETS56758.2023.10174133>

**Defect-oriented modul-level fault diagnosis in digital circuits**

**Kostin, Sergei; Ubar, Raimund-Johannes; Raik, Jaan** Proceedings of the 2011 IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 13-15, 2011, Gottbus, Germany 2011 / p. 81-86

**Demand side management for commercial buildings : multiple heating systems based optimization in real-time**

Köse, Ahmet; Sukhanov, Ivan; **Belikov, Juri; Tepļakov, Aleksei; Petlenkov, Eduard** Proceedings of the 30th ICE IEEE/ITMC Conference on Engineering, Technology, and Innovation: Digital Transformation on Engineering, Technology and Innovation, ICE 2024 2024 IEEE International Conference on Engineering, Technology, and Innovation (ICE/ITMC) 2024 / 8 p  
<https://doi.org/10.1109/ICE/ITMC61926.2024.10794302>

**Denoising and extraction of partial discharge pulse characteristics using wavelet denoising and local maxima method**

**Choudhary, Maninder; Palu, Ivo; Kiitam, Ivar; Shafiq, Muhammad; Taklaja, Paul; Bhattarai, Abhinav** 2024 IEEE International Conference on Power and Energy (PECon) 2024 / p. 221-225 <https://doi.org/10.1109/PECon62060.2024.10827085>

**DenseDisp: Resource-Aware Disparity Map Estimation by Compressing Siamese Neural Architecture**

Loni, Mohammad; Zoljodi, Ali; Maier, Daniel; Majd, Amin; **Daneshtalab, Masoud**; Sjödin, Mikael; Juurlink, Ben H.H.; Akbari, Reza 2020 IEEE Congress on Evolutionary Computation (CEC) : conference proceedings 2020 / 8 p  
<https://doi.org/10.1109/CEC48606.2020.9185611>

**Depth control of an autonomous underwater vehicle in situational awareness a mission [Electronic resource]**

**Astrov, Igor; Rüstern, Ennu** ICROS-SICE 2009 proceedings : ICROS-SICE International Joint Conference 2009 : Fukuoka, Japan, August 18-21, 2009 2009 / p. 560-564 [DVD-ROM]

**Depth control of the biomimetic U-CAT turtle-like AUV with experiments in real operating conditions**

Chemori, Ahmed; **Kuusmik, Keijo; Salumäe, Taavi; Kruusmaa, Maarja** 2016 IEEE International Conference on Robotics and Automation : Stockholm, Sweden, May 16th-21st 2016 / p. 4750-4755 : ill <https://doi.org/10.1109/ICRA.2016.7487677> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Derivation of Bioimpedance Model Data Utilizing a Compact Analyzer and Two Capacitive Electrodes : A Forearm Example**

**Ojarand, Jaan; Priidel, Eiko; Min, Mart** IEEE Transactions on Biomedical Circuits and Systems 2022 / p. 891-901  
<https://doi.org/10.1109/TBCAS.2022.3206666> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Description of learning methods using six-dimensional space framework**

**Brindfeldt, Eduard; Müür, Margus; Pettai, Elmo** 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia 2012 / 8 p. : ill <https://ieeexplore.ieee.org/document/6397358>

**Description of practical load harmonic current emission due to voltage harmonic variation**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / p. 1-6  
<https://doi.org/10.1109/RTUCON53541.2021.9711594>

**Design and comparison of three-level three-phase T-source inverters**

**Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede** 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 564-569 : ill  
<http://dx.doi.org/10.1109/PowerEng.2015.7266378>

**Design and control for high reliability power electronics: state of the art and future trends**

Alcaide, A. M.; Buticchi, Giampaolo; **Chub, Andrii; Dalessandro, L.** IEEE journal of emerging and selected topics in industrial electronics 2024 / p. 50-61 <https://doi.org/10.1109/JESTIE.2023.3287513>

**Design and discretization of multi-resonant current controllers**

**Elkayam, Moria Sassonker; Vinnikov, Dmitri** 2024 19th Conference on Ph.D Research in Microelectronics and Electronics (PRIME) 2024 / 4 p <https://doi.org/10.1109/PRIME61930.2024.10559737>

**Design and evaluation of a base module of active power electronic transformer**

**Roasto, Indrek**; Minambres-Marcos, Victor; Romero-Cadaval, Enrique; Strzelecki, Ryszard 2015 9th International Conference on

Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 384-389 : ill <http://dx.doi.org/10.1109/CPE.2015.7231106>

**Design and implementation of dual-mode LLC resonant converter for charging 400 V and 800 V onboard plug-in electric vehicles**

Vinusha, Bussa; Kalpana, R.; Kishan, Dharavath; **Chub, Andrii** 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 6 p <https://doi.org/10.1109/CPE-POWERENG63314.2025.11027270>

**Design and implementation of fractional-order PID controllers for a fluid tank system**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri**; Halas, Miroslav 2013 American Control Conference (ACC) : Washington, DC, USA, June 17-19, 2013 2013 / p. 1777-1782 : ill <https://doi.org/10.1109/acc.2013.6580093> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Design and modelling of electric drive in database environment [Electronic resource]**

**Vodovozov, Valery; Pettai, Elmo; Auväärt, Aivar** ISIE08 : 2008 IEEE International Symposium on Industrial Electronics : 30 June - 2 July 2008, Cambridge, United Kingdom 2008 / p. 764-767 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4676891>

**Design and performance of laser additively manufactured core induction motor**

**Tiismus, Hans; Kallaste, Ants; Naseer, Muhammad Usman; Vaimann, Toomas; Rassõlkin, Anton** IEEE Access 2022 / p. 50137-50152 <https://doi.org/10.1109/ACCESS.2022.3173317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design and resonance analysis of tubular structured dual stator linear oscillating actuator**

**Ahmad, Zahoor; Kallaste, Ants; Vaimann, Toomas; Sardar, Muhammad Usman** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p <https://doi.org/10.1109/ICEM60801.2024.10700213>

**Design and simulation verification of low power wireless charging battery system for electric bicycle**

Shevchenko, Viktor; **Husev, Oleksandr**; Pakhaliuk, Bohdan; Kondratenko, Igor 2018 IEEE 3rd International Conference on Intelligent Energy and Power Systems (IEPS) 2018 / p. 22-27 <https://doi.org/10.1109/IEPS.2018.8559531>

**Design and testing of an universal autonomous surface vehicle**

**Roasto, Indrek; Jalakas, Tanel; Mölder, Heigo; Möller, Taavi; Tabri, Kristjan**; Enok, Mart 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 705-710 : ill <https://doi.org/10.1109/PEMC48073.2021.9432567>

**Design and verification of secure cache wrapper against access-driven side-channel attacks**

**Niazmand, Behrad; Azad, Siavoosh Payandeh; Jervan, Gert**; Sepulveda, Johanna Euromicro Conference on Digital System Design : DSD 2019 : 28 - 30 August 2019 Kallithea, Chalkidiki, Greece : proceedings 2019 / p. 672-676 : ill <https://doi.org/10.1109/DSD.2019.00108>

**Design considerations of dual-active bridge DC grid-forming converter for DC buildings**

**Carvalho da Silva, Edivan Laercio; Sidorova, Aleksandra; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** IEEE transactions on industrial electronics 2024 / p. 10601-10611 <https://doi.org/10.1109/TIE.2023.3331125>

**Design for accelerated testing of DC-link capacitors in photovoltaic inverters based on mission profiles**

Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri**; Wang, Huai; Blaabjerg, Frede IEEE transactions on industry applications 2021 / p. 741-753 <https://doi.org/10.1109/TIA.2020.3030568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design issues of SSCBs for residential DC microgrid**

**Jalakas, Tanel; Chub, Andrii; Roasto, Indrek; Vinnikov, Dmitri** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) 2024 / 6 p <https://doi.org/10.1109/RTUCon62997.2024.10830826>

**Design methodology for fault-tolerant heterogeneous MPSoC under real-time constraints**

**Amin, Mohsin; Tagel, Mihkel; Jervan, Gert; Hollstein, Thomas** 7th International Workshop on Reconfigurable and Communication-Centric Systems-on-Chip : July 9-11, 2012 : York, United Kingdom : proceedings 2012 / [6 p.] : ill <https://ieeexplore.ieee.org/document/6322901>

**Design obfuscation versus test**

Farahmandi, Farimah; Sinanoglu, Ozgur; Blanton, Ronald; **Pagliarini, Samuel Nascimento** 2020 IEEE European Test Symposium (ETS) : ETS 2020, May 25 - 29, 2020, Tallinn, Estonia 2020 / 10 p <https://doi.org/10.1109/ETS48528.2020.9131590>

**Design of a Collective Intelligence Platform for facilitating the silver economy : an exhaustive user-centered evaluation**

**Butt, Sidra Azmat; Suran, Shweta; Pappel, Ingrid; Weck, Marina; Draheim, Dirk** techrxiv.org 2023 / 36 p. : ill <https://doi.org/10.36227/techrxiv.24213168.v1>

### **Design of a generalized fractional-order PID controller using operational amplifiers**

Gonzalez, Emmanuel A.; Alimisis, Vassilis; Psychalinos, Costas; **Tepljakov, Aleksei** 2018 25th IEEE International Conference on Electronics Circuits and Systems (ICECS), Bordeaux, France, December 9–12, 2018 2018 / p. 253-256 : ill  
<http://dx.doi.org/10.1109/ICECS.2018.8617954>

### **Design of a MATLAB-based teaching tool in introductory fractional-order systems and controls [Electronic resource]**

**Tepljakov, Aleksei; Petlenkov, Eduard**; Gonzalez, Emmanuel A.; Petraš, Ivo 2017 IEEE Frontiers in Education Conference (FIE) : proceedings 2017 / 4 p. : ill [USB] <https://doi.org/10.1109/FIE.2017.8190681>

### **Design of a remote emotional requirements elicitation feedback method**

**Jackson, Eric Blake; Norta, Alexander** Third International Workshop on Affective Computing in Requirements Engineering, AffectRE : 1 september 2020, Zurich, Switzerland : Proceedings 2020 / 8 p <https://doi.org/10.1109/AffectRE51213.2020.00007>

### **Design of a shape-changing anthropomorphic mannequin for tailoring applications**

Abels, Artur; **Kruusmaa, Maarja** ICAR 2009 : 14th International Conference on Advanced Robotics : Munich, Germany, June 22-26, 2009 2009 / [6] p

### **Design of a simple modular active power electronic transformer**

Strzelecki, Ryszard; **Roasto, Indrek**; Romero-Cadaval, Enrique Proceedings : IECON 2014 - 40th Annual Conference of the IEEE Industrial Electronics Society : Sheraton Hotel Dallas, Dallas, TX, USA, 30. October-01. November, 2014 2014 / p. 1410-1415 : ill  
<https://doi.org/10.1109/IECON.2014.7048686> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Design of an additively manufactured polymer composite electrical machine**

**Sarap, Martin; Kallaste, Ants; Naseer, Muhammad Usman; Tiismus, Hans; Rjabtšikov, Viktor; Ghahfarokhi, Payam Shams; Vaimann, Toomas**; Aman, Alexander; Kutia, Mykhailo 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227413>

### **Design of high frequency transformer for isolated bridge-type PFC converter**

**Zinchenko, Denys; Blinov, Andrei; Vinnikov, Dmitri**; Ormison, Andres 2020 IEEE 4th International Conference on Intelligent Energy and Power Systems (IEPS), 06.07.2020 - 10.07.2020, Istanbul, Turkey 2020 / 8 p. : ill  
<https://doi.org/10.1109/IEPS51250.2020.9263134>

### **Design of LCL-filter for grid-connected buck-boost inverter based on unfolding circuit**

**Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri; Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818248>

### **Design of multiphase single-switch impedance-source converters**

**Chub, Andrii; Vinnikov, Dmitri; Liivik, Liisa; Jalakas, Tanel; Blinov, Andrei** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 3718-3724 : ill <https://doi.org/10.1109/IECON.2018.8591361>

### **Design of retuning fractional PID controllers for a closed-loop magnetic levitation control system**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri**; Gonzalez, Emmanuel A. 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 1345-1350 : ill

### **Design of rotors for synchronous reluctance motor : analytical treatment and optimization**

Orlova, Svetlana; Pugachov, Vladislav; **Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas** 2019 21st European Conference on Power Electronics and Applications (EPE '19 ECCE Europe), 3-5 Sept. 2019, Genova, Italy : proceedings 2019 / 9 p. : ill  
<https://doi.org/10.23919/EPE.2019.8914760>

### **Design of solid state circuit breaker**

**Jalakas, Tanel; Chub, Andrii; Roasto, Indrek; Vinnikov, Dmitri** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / p. 1-5  
<https://doi.org/10.1109/RTUCON56726.2022.9978903>

### **Design of three-phase three-level CIC T-source inverter with maximum boost control**

**Shults, Tatiana; Husev, Oleksandr**; Roncero-Clemente, Carlos; **Blaabjerg, Frede**; Strzelecki, Ryszard IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 004447-004452 : ill <http://dx.doi.org/10.1109/IECON.2015.7392792>

### **Design optimization of permanent magnet clutch**

**Andriushchenko, Ekaterina; Kallaste, Ants; Belahcen, Anouar; Heidari, Hamidreza; Vaimann, Toomas; Rassõlkin, Anton** 2020 International Conference on Electrical Machines (ICEM), 23-26 August 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 436-440 <https://doi.org/10.1109/ICEM49940.2020.9270726>

### **Design principle of a biomimetic underwater robot U-CAT**

**Salumäe, Taavi; Raag, Rasmus; Rebane, Jaan; Ernits, Andres; Toming, Gert; Ratas, Mart; Kruusmaa, Maarja** OCEANS'14

**Design procedure and preliminary analysis for the introduction of axial asymmetry in the synchronous reluctance machines : [proceedings]**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** 2023 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings 2023 / 6 p. : ill  
<https://doi.org/10.1109/WEMDCD55819.2023.10110903>

**Design templates for mobile robot conceptual design**

**Sell, Raivo; Tamre, Mart** 2007 IEEE/ASME International Conference on Advanced Intelligent Mechatronics 2007 / [6] p  
<https://ieeexplore.ieee.org/document/4412593>

**Design understanding : from logic to specification**

Fey, Goerschwin; **Ghasempouri, Tara**; Jacobs, Swen; **Raik, Jaan** Proceedings of the 2018 IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC) : October 8-10, 2018, Verona, Italy 2018 / p. 172-175 : ill <https://doi.org/10.1109/VLSI-SoC.2018.8644732>

**Designing a digital collaborative platform for the silver economy: inception and conceptualization**

**Butt, Sidra Azmat; Rava, Karin; Kangilaski, Taivo; Pappel, Ingrid; Draheim, Dirk** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 47-54 : ill  
<https://doi.org/10.1109/ICEDEG52154.2021.9530937>

**Designing Compact Convolutional Neural Network for Embedded Stereo Vision Systems**

Loni, Mohammad; Majd, Amin; Loni, Abdolah; **Daneshtalab, Masoud**; Sjödin, Mikael; Troubitsyna, Elena 2018 IEEE 12th International Symposium on Embedded Multicore/Many-core Systems-on-Chip : MCSoc 2018 : proceedings 2018 / p. 244-251 : ill  
<https://doi.org/10.1109/MCSoc2018.2018.00049>

**Designing reliable cyber-physical systems : overview associated to the special session at FDL'16**

Aleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; **Devadze, Sergei; Jenihhin, Maksim; Jutman, Artur; Raik, Jaan; Shibin, Konstantin** The 2016 Forum on Specification & Design Languages : proceedings : Bremen, Germany, September 14-16, 2016 2016 / [8] p. : ill <https://doi.org/10.1109/FDL.2016.7880382>

**Desired trajectory generation of a quadrotor helicopter using hybrid control for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus; Rüstern, Ennu** Proceedings of the 2010 IEEE International Conference on Information and Automation : June 20-23, Harbin, China 2010 / p. 1003-1007 : ill <https://ieeexplore.ieee.org/document/5512295>

**Detailed analysis of the Luria's alternating series tests for Parkinson's disease diagnostics**

**Nõmm, Sven; Bardoš, Konstantin; Toomela, Aaro; Medijainen, Kadri; Taba, Pille** 17th IEEE International Conference on Machine Learning and Applications : ICMLA 2018, 17-20 December 2018, Orlando, Florida, USA : proceedings 2018 / p. 1347-1352  
<https://doi.org/10.1109/ICMLA.2018.00219>

**Detecting and mitigating Low-and-Slow DoS attacks in NoC-based MPSoCs**

**Chaves Arroyave, Cesar Giovanni; Azad, Siavoosh Payandeh; Sepulveda, Johanna; Hollstein, Thomas** 2019 14th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC) : July 1-3 2019, York - United Kingdom : proceedings 2019 / p. 82-89 : ill <https://doi.org/10.1109/ReCoSoC48741.2019.9034934>

**Detection and evaluation of driver distraction using machine learning and fuzzy logic**

Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery; Petlenkov, Eduard**; Herrmann, Martin IEEE Transactions on Intelligent Transportation Systems 2019 / p. 2048 - 2059 <https://doi.org/10.1109/TITS.2018.2857222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Detection of cracks in a sawblade by eddy current measurements**

**Märtens, Olev; Land, Raul; Metshein, Margus; Abdullayev, Anar; Vennikas, Henri; Le Moullec, Yannick** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p <https://doi.org/10.1109/BEC61458.2024.10737981> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Detection, identification and tracking of mobile objects with distributed system of systems**

**Riid, Andri; Preden, Jürjo-Sören; Astapov, Sergei** Proceedings of the 9th International Conference on System of Systems Engineering (SoSE 2014) : 9-13 June 2014, Stamford Grand, Glenelg, Australia 2014 / p. 224-229 : ill

**Determination methods for controller parameters of back-to-back converters in electric power grids**

Beg, Nauman; **Rahmoun, Ahmad; Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 157-164 : ill <https://doi.org/10.1109/PQ.2016.7724106>

**Determination of core losses using an inverse modeling technique**

Osemwinyen, Osaruyi; Hemeida, Ahmed; **Ghahfarokhi, Payam Shams; Belahcen, Anouar** IEEE Access 2022 / p. 29224-29232

**Determination of e/h ratio by optical measurements**

Kübarsepp, Toomas; **Tamre, Mart**; Gran, Jarle; Monakhov, Edouard; Merimaa, M.; Werner, Lutz; Rastello, Maria Luisa 29th Conference on Precision Electromagnetic Measurements, DIGEST, Rio de Janeiro, Brazil, August 24-29, 2014 2014 / p. 236-237 <https://doi.org/10.1109/CPEM.2014.6898346> Conference proceedings at Scopus Article at Scopus

**Determination of forced convection coefficient over a flat side of coil**

**Ghahfarokhi, Payam Shams; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton; Belahcen, Anouar** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124759>

**Determined-safe faults identification : a step towards ISO26262 hardware compliant designs**

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Sartoni, Sandro; Cantoro, Riccardo; Sonza Reorda, Matteo; Hamdioui, Said; Sauer, Christian 2020 25th IEEE European Test Symposium (ETS) 2020 / 6 p. : ill <https://doi.org/10.1109/ETS48528.2020.9131568>

**Determining a device crossover point in CPU/GPU systems for streaming applications**

Kanur, Sudeep; Lund, Wictor; **Tsiopoulos, Leonidas**; Lilius, Johan 2015 IEEE Global Conference on Signal and Information Processing : GlobalSIP 2015 : Orlando, FL, USA, December 14-16, 2015 2015 / p. 1417-1421 : ill <http://dx.doi.org/10.1109/GlobalSIP.2015.7418432>

**Determining cost-efficient sequence of condition inspection based on estimated condition data**

**Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863436>

**Determining necessary length of the alternating series test for Parkinson's disease modelling**

**Nõmm, Sven; Kossas, Tanel**; Toomela, Aaro; Medijainen, Kadri; Taba, Pille 2019 International Conference on Cyberworlds : CW 2019 : 2-4 October 2019, Kyoto, Japan : proceedings 2019 / p. 261-266 : ill <http://doi.org/10.1109/CW.2019.00050>

**Determining optimisation framework for local energy communities**

Drovtar, Imre; **Korötko, Tarmo**; Mutule, Anna; Kairisa, Evita; **Rosin, Argo** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830444>

**Determining regional sea surface topography by GNSS surveys on ice**

Liibus, Aive; **Märdla, Silja; Ellmann, Artu**; Oja, Tõnis 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [9] p. : ill

**Determining the thermal conductivity of additively manufactured metal specimens**

**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas** 2022 29th International Workshop on Electric Drives: Advances in Power Electronics for Electric Drives (IWED) 2022 / 4 p <https://doi.org/10.1109/IWED54598.2022.9722591>

**Developing a translation technique for converged TSN-5G communication**

Satka, Zenepe; Pantzar, David; Magnusson, Alexander; Ashjaei, Mohammad; Fotouhi, Hossein; Sjödin, Mikael; **Daneshtalab, Masoud; Mubeen, Saad** Communication in Automation : 18th IEEE International Workshop on Factory Communication Systems 2022 : WFCS 2022 2022 / 8 p <https://doi.org/10.1109/WFCS53837.2022.9779191>

**Developing intelligent logistics - building a competence model for logistics systems engineer**

**Niine, Tarvo; Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 239-248 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095977>

**Development and application of energy producing solar pavement in Estonia**

**Jalakas, Tanel; Chub, Andrii; Vinnikov, Dmitri; Spalatu, Nicolae; Gudkova, Viktoria; Krunks, Malle; Mere, Arvo**; Lahi, Allan 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / 5 p. : ill <https://doi.org/10.1109/RTUCON56726.2022.9978908>

**Development and experimental assessment of a flexible robot fin**

**Gkliva, Roza**; Sfakiotakis, Michael; **Kruusmaa, Maarja** 2018 IEEE International Conference on Soft Robotics (RoboSoft) : proceedings 2018 / p. 208-213 : ill <https://doi.org/10.1109/ROBOSOFT.2018.8404921>

**Development and testing of a compact voice command recognition algorithm for limited complexity microcontroller devices**

**Udal, Andres; Riid, Andri; Jaanus, Martin; Pärnamets, Kaiser**; Lokuta, Madis 2018 22nd International Conference Electronics : Palanga, Lithuania, 18-20 June 2018 2018 / p. 1-4 : ill <http://doi.org/10.1109/ELECTRONICS.2018.8443645>

**Development and utilization of synthetic signals for fault diagnostics of electrical machines**

**Raja, Hadi Ashraf; Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** IEEE journal of emerging and selected topics in industrial electronics 2024 / 9 p <https://doi.org/10.1109/JESTIE.2024.3395650>

**Development of a battery sizing tool for nearly zero energy buildings**

**Ahmadihangar, Roya; Husev, Oleksandr; Blinov, Andrei; Karami, Hossein; Rosin, Argo** IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society 2020 / p. 5149-5154 : ill <https://doi.org/10.1109/IECON43393.2020.9254557>  
[Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

**Development of a measurement system for estimation of local peripheral arterial stiffness parameters**

**Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / p. 1-5  
<https://doi.org/10.1109/BEC61458.2024.10737944> [Article at Scopus](#) [Conference proceeding at Scopus](#) [Article at WOS](#)

**Development of a monitoring system on environment and human health to control a smart bike**

**Makarova, Irina; Boyko, Aleksey; Pashkevich, Anton; Tsybunov, Eduard** 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p <https://doi.org/10.1109/ICCC49264.2020.9257239>

**Development of a power electronics controller with RISC-V based core for security-critical applications**

**Swakath, S. U.; Kshirsagar, Abhijit; Kondepu, Koteswararao; Banavath, Satish Naik; Chub, Andrii; Vinnikov, Dmitri** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / p. 1-5 <https://doi.org/10.1109/RTUCON56726.2022.9978737>

**Development of a validation regime for an autonomous campus shuttle**

**Medrano-Berumen, Christopher; Malayjerdi, Mohsen; Ilhan Akbas, Mustafa; Sell, Raivo** IEEE SoutheastCon 2020, Raleigh, NC, 28-29 March 2020 : IEEE Region 3's annual conference : virtual : proceedings 2020 / 8 p  
<https://doi.org/10.1109/SoutheastCon44009.2020.9249692>

**Development of an axial flux SRM through additive manufacturing**

**Hussain, Shahid; Kallaste, Ants; Naseer, Muhammad Usman; Tiismus, Hans; Vaimann, Toomas** 2024 International Conference on Electrical Machines (ICEM) 2024 / 6 p <https://doi.org/10.1109/ICEM60801.2024.10700569>

**Development of automated detection and wireless reporting for a handheld point-of-care test**

**Pardy, Tamas; Filograno, Leonardo; Baumann, Cindy; Rang, Toomas** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2021 / 4 p. : ill <https://doi.org/10.1109/BEC49624.2020.9276773>

**Development of auxiliary power supplies for the 3.0 kV DC rolling stock**

**Vinnikov, Dmitri; Laugis, Juhani; Jalakas, Tanel** ISIE2007 : 2007 IEEE International Symposium on Industrial Electronics : June 4-7, 2007, Vigo, Spain : abstract book 2007 / p. 61 <https://ieeexplore.ieee.org/document/4374624>

**Development of auxiliary power supplies for the 3.0 kV DC rolling stock [Electronic resource]**

**Vinnikov, Dmitri; Laugis, Juhani; Jalakas, Tanel** ISIE2007 : 2007 IEEE International Symposium on Industrial Electronics : June 4-7, 2007, Vigo, Spain 2007 / p. 359-364 [CD-ROM] <https://ieeexplore.ieee.org/document/4374624>

**Development of digital twin for robotic arm**

**Bratchikov, Stepan; Abdullin, Artur; Demidova, Galina; Lukichev, Dmitry** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 717-723 <https://doi.org/10.1109/PEMC48073.2021.9432535>

**Development of emerging technology-driven NordPlus competence network in the Baltic and Nordic regions**

**Kunicina, Nadezhda; Bruzgien, Rasa; Narbutaite, Lina; Rassõlkin, Anton; Mohamed, Mahmoud Ibrahim Hassanin; Balandin, Sergey** 2024 35th Conference of Open Innovations Association (FRUCT) : proceedings Proceedings of the 2024 / p. 407-412 : ill <https://doi.org/10.23919/FRUCT61870.2024.10516359>

**Development of experimental load management system for nearly zero-energy building**

**Maask, Vahur; Rosin, Argo; Roasto, Indrek** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill  
<https://doi.org/10.1109/RTUCON.2018.8659826>

**Development of high fidelity liver and kidney phantom organs for use with robotic surgical systems**

**Õpik, Rivo; Hunt, Andres; Ristolainen, Asko; Aubin, Patrick M.; Kruusmaa, Maarja** Proceedings of the 4th IEEE RAS & EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob), 24-27 June 2012, Rome, Italy 2012 / p. 425-430 : ill  
<https://ieeexplore.ieee.org/document/6290831>

**Development of mutual recognition of education approach in advanced computer-oriented engineering technologies in the Baltic region**

**Kunicina, Nadezhda; Rassõlkin, Anton; Bruzgiene, Rasa; Plonis, Darius; Caiko, J.** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413098>

#### **Development of prosumer logical structure and object modeling**

**Korõtko, Tarmo; Rosin, Argo; Ahmadihangar, Roya** 2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : [proceedings] 2019 / 6 p. : ill <https://doi.org/10.1109/CPE.2019.8862390>

#### **Development of realtime co-simulation platform harnessing consumer energy flexibility through an aggregator to provide grid support**

**Shabbir, Noman; Ahmadihangar, R; Rosin, Argo; Kilter, Jako; Martins, Joao** IEEE Transactions on Consumer Electronics 2024 <https://doi.org/10.1109/TCE.2024.3470241>

#### **Development of students' activity through on-lecture assessment in electrical engineering**

**Vodovozov, Valery; Raud, Zoja; Gevorkov, Levon** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2213-2217 : ill

#### **Development, implementation and field trial of 5G integrated GNSS-RTK positioning in cross-border settings**

**Elgarhy, Osama; Rohtla, Margus; Ait, Indur; Roosipuu, Priit; Kõrbe Kaare, Kati; Sadam, Arvi; Kallaspoolik, Toomas; Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2025 / p. 791-796 <https://doi.org/10.1109/FNWF63303.2024.11028789>

#### **A device for measuring the electrical bioimpedance with variety of electrode placements for monitoring the breathing and heart rate**

**Metshein, Margus** 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill <http://dx.doi.org/10.1109/ISSC.2015.7163748>

#### **A DFT-based approach for condition monitoring of switch-mode power converters**

**Kütt, Lauri; Tiivel, Tuuli; Parker, Martin; Valgur, Laur; Jarkovoi, Marek; Chub, Andrii** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p <https://doi.org/10.1109/RTUCON62997.2024.10830915>

#### **Diagnosis and correction of multiple design errors using critical path tracing and mutation analysis**

**Hantson, Hanno; Repinski, Urmaz; Raik, Jaan; Jenihhin, Maksim; Ubar, Raimund-Johannes** LATW 2012 : 13th IEEE Latin-American Test Workshop proceedings : April 10th-13th, 2012, Quito, Ecuador 2012 / [6 p.] : ill <https://ieeexplore.ieee.org/document/6261234>

#### **Diagnostic modeling of digital systems with low- and high-level decision diagrams**

**Ubar, Raimund-Johannes** LATW2013 : 14th IEEE Latin-American Test Workshop, Cordoba, Argentina, April 3-5, 2013 : [proceedings] 2013 / [1] p

#### **Diagnostic possibilities of induction motor bearing currents**

**Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Demidova, Galina; Karpovich, Dzmitry** 2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED) : proceedings 2021 / 5 p. : ill <https://doi.org/10.1109/ACED50605.2021.9462298>

#### **Dialect adaptation and data augmentation for low-resource ASR: Taltech systems for the MADASR 2023 Challenge**

**Alumäe, Tanel; Kong, Jiaming; Robnikov, Daniil** 2023 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU), 16-20 Dec. 2023, Taipei, Taiwan 2023 / p. 1-7 <https://doi.org/10.1109/ASRU57964.2023.10389668>

#### **Differences in Android behavior between real device and emulator : a malware detection perspective**

**Guerra Manzanares, Alejandro; Bahsi, Hayretidin; Nõmm, Sven** 6th International Conference on Internet of Things: Systems, Management and Security (IOTSMS), Granada, Spain, October 22-25, 2019 2019 / art. 8939268, p. 399-404 <https://doi.org/10.1109/IOTSMS48152.2019.8939268>

#### **Differential pressure sensor speedometer for autonomous underwater vehicle velocity estimation**

**Meurer, Christian; Francisco Fuentes-Perez, Juan; Palomeras, Narcis; Carreras, Marc; Kruusmaa, Maarja** IEEE Journal of Oceanic Engineering 2020 / p. 946 - 978 <https://doi.org/10.1109/JOE.2019.2907822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Differential pressure sensors for underwater speedometry in variable velocity and acceleration conditions**

**Fuentes-Perez, Juan Francisco; Meurer, Christian; Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja** IEEE Journal of Oceanic Engineering 2018 / p. 418-426 : ill <https://doi.org/10.1109/JOE.2017.2767786> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Digital control of PFC rectifier with combined feedforward and PI regulator**

**Verbytskyi, Ievgen; Blinov, Andrei; Emiliani, Pietro; Galkin, Ilja** IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9968509> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Digital control strategy for interleaved quasi-Z-source inverter with with active power decoupling**

**Stepenko, Serhii; Husev, Oleksandr; Pires Pimentel, Sergio; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Makovenko, Elena** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 3725-3730 : ill

### **Digital logic simulation with compressed BDDs**

**Ubar, Raimund-Johannes; Mironov, Dmitri; Devadze, Sergei; Raik, Jaan** Proceedings : 2011 IEEE International Conference on Computer Science and Automation Engineering : June 10-12, 2011, Shanghai, China 2011 / p. 105-109 : ill  
<https://ieeexplore.ieee.org/document/5952643>

### **A digital multichannel bioimpedance analyser : signal processing task and its solution**

**Annus, Paul; Kuusik, Alar; Land, Raul; Märtens, Olev; Ronk, Ants** Proc. of the IEEE Instrumentation and Measurement Technology Conference : IMTC 2006 : Sorrento, Italy, April 24-27, 2006 2006 / p. 1405-1409 <https://doi.org/10.1109/IMTC.2006.328596>

### **Digital records keeping to information governance in Estonian local governments**

**Pappel, Ingrid; Pappel, Ingmar; Saarmann, Monika** International Conference on Information Society (i-Society 2012) 2012 / p. 199-204 : ill <https://ieeexplore.ieee.org/document/6285076>

### **Digital self-interference cancellation: algorithmic performance analysis and software defined radio based realization**

**Rani, Ritu; Le Moullec, Yannick** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277345>

### **Digital Silver Hub : user dialogue model technical document**

**Butt, Sidra Azmat; Pappel, Ingrid; Draheim, Dirk** techrxiv.org 2022 / p. 1-59 : ill <https://doi.org/10.36227/techrxiv.19875031.v1>

### **Digital system modeling and synthesis as an introduction to computer systems engineering**

**Tajammul, Muhammad Adeel; Azad, Siavoosh Payandeh; Ellervee, Peeter** 2015 International Conference on Microelectronic Systems Education : MSE '15 : Pittsburgh, PA, May 20-21, 2015 2015 / p. 52-55 : ill <http://dx.doi.org/10.1109/MSE.2015.7160016>

### **Digital twin for controlled generation of water-in-oil microdroplets with required size**

**Gyimah, Nafisat; Scheler, Ott; Rang, Toomas; Pardy, Tamas** 2022 23rd International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems (EuroSimE), 25-27 April 2022, St Julian, Malta : proceedings 2022 / p. 85-91 <https://doi.org/10.1109/EuroSimE54907.2022.9758876>

### **Digital twin for propulsion drive of autonomous electric vehicle**

**Rassõlkin, Anton; Kuts, Vladimir; Kallaste, Ants; Vaimann, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982326>

### **Digital twin of an electrical motor based on empirical performance model**

**Rassõlkin, Anton; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Kuts, Vladimir; Partyshev, Andriy** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 11-14 : ill <https://doi.org/10.1109/ICEPDS47235.2020.9249366>

### **Digital twin of wind generator for modelling various turbine characteristics**

**Raja, Hadi Ashraf; Autsou, Siarhei; Kudelina, Karolina; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang** 2023 International Conference on Electrical Drives and Power Electronics (EDPE) 2023 / p. 1-5 <https://doi.org/10.1109/EDPE58625.2023.10274050>

### **Digital Twin service unit for AC motor stator inter-turn short circuit fault detection**

**Rjabtšikov, Viktor; Rassõlkin, Anton; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Kuts, Vladimir; Jegorov, Sergei; Stępien, Mariusz; Krawczyk, Mateusz** 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 <https://doi.org/10.1109/IWED52055.2021.9376328>

### **Digital twins for designing energy management systems for microgrids: Implementation example based on TalTech Campus project**

**Korõtko, Tarmo; Zahraoui, Younes; Rosin, Argo; Agabus, Hannes** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227475>

### **Digital twins in extended reality for control system applications**

**Jeršov, Stanislav; Tepljakov, Aleksei** 2020 43rd International Conference on Telecommunications and Signal Processing : TSP 2020, Milan, Italy, July 7-9, 2020 2020 / art. 162353, p. 274-279 <https://doi.org/10.1109/TSP49548.2020.9163557>

### **Dimensionality reduction for machine learning based IoT botnet detection**

**Bahsi, Hayretidin; Nömm, Sven** 15th International Conference on Control, Automation, Robotics and Vision (ICARCV 2018) : Singapore, November 18-21, 2018 2018 / p. 1857-1862 : ill <https://doi.org/10.1109/ICARCV.2018.8581205>

- Dimensioning of electricity storage according to small wind turbine power generation and household load patterns**  
**Rosin, Argo; Palu, Ivo; Rosin, Kai; Auväärt, Aivar** IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5173-5178 : ill  
[https://www.researchgate.net/publication/261124704\\_Dimensioning\\_of\\_electricity\\_storage\\_according\\_to\\_small\\_wind\\_turbine\\_power\\_generation\\_and\\_household\\_load\\_patterns](https://www.researchgate.net/publication/261124704_Dimensioning_of_electricity_storage_according_to_small_wind_turbine_power_generation_and_household_load_patterns)
- Direct conductor cooling of outer-rotor machine enabled by additive manufacturing**  
**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas** 2023 IEEE International Conference on Electric Machines and Drives (IEMDC) 2023 / 4 p <https://doi.org/10.1109/IEMDC55163.2023.10238858>
- Direct discovery-based cooperative device-to-device communication for emergency scenarios in 6G**  
**Masood, Ali; Alam, Muhammad Mahtab; Le Moullec, Yannick** 2022 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) : proceedings 2022 / p. 297-302 : ill  
<https://doi.org/10.1109/EuCNC/6GSummit54941.2022.9815706>
- Direct liquid cooling in low-power electrical machines : proof-of-concept**  
Lindh, Pia; Petrov, Ilya; Semken, R. Scott; **Vaimann, Toomas; Kallaste, Ants** IEEE transactions on energy conversion 2016 / p. 1257-1266 : ill <https://doi.org/10.1109/TEC.2016.2597059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)
- Discontinuous space vector modulation technique for motor supply**  
**Vodovozov, Valery; Egorov, Mikhail** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill
- A discord in teaching urban mobility specialists-observations on university curricula of smart and sustainable mobility**  
Kirejev, Mihhail; **Niine, Tarvo; Gerstlberger, Wolfgang** 2025 IEEE Global Engineering Education Conference (EDUCON) 2025 / 10 p <https://doi.org/10.1109/EDUCON62633.2025.11016654>
- "Discount" - the renewable energy production impact on electricity price**  
**Ulm, Lauri; Koduvere, Hardi; Palu, Ivo** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p  
<https://doi.org/10.1109/RTUCON51174.2020.9316611>
- Distance learning in technical education on example of Estonia and Poland**  
**Vaimann, Toomas;** Stepień, Mariusz; **Rassõlkin, Anton; Palu, Ivo** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 / p. 285-288 : ill  
<https://doi.org/10.1109/ICEPDS47235.2020.9249317>
- Distorted grid and significant computation feedback delay**  
Pimentel, Sergio Pires; **Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii; Kütt, Lauri;** Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC 2019) Santos, Brazil, 1-4 December 2019 / p. 1481-1486 <http://toc.proceedings.com/52923webtoc.pdf>
- Distorted load impacts on distribution grid [Electronic resource]**  
**Niitsoo, Jaan; Palu, Ivo** Proceedings of the 12th International Scientific Conference Electric Power Engineering 2011, Kouty nad Desnou, Czech Republic, May 17-19, 2011 / p. 37-40 : ill. [CD-ROM]
- Distractors of computerised creative knowledge work**  
**Hazak, Aaro** Application of Information and Communication Technologies - AICT2019, 23-25 October 2019, Baku : conference proceedings 2019 / p. 280-283 : ill <https://doi.org/10.1109/AICT47866.2019.8981767>
- Distributed adaptive largest eigenvalue detection with SNR weighted observations [Online resource]**  
**Ainomäe, Ahti; Trump, Tõnu; Le Moullec, Yannick** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 / 4 p. : ill  
<https://doi.org/10.1109/BEC.2018.8600974>
- Distributed adaptive network with SNR weighed communication**  
**Ulp, Sander; Trump, Tõnu** 2015 Third International Conference on Digital Information, Networking, and Wireless Communications (DINWC 2015) : Moscow, Russia, 3-5 February 2015 / p. 83-87 : ill
- Distributed approach for parallel exact critical path tracing fault simulation**  
**Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes** MIXDES 2010 : 17th International Conference "Mixed Design of Integrated Circuits and Systems" : June 24-26, 2010, Wrocław, Poland 2010 / p. 471-476 : ill
- Distributed average integral control based energy management model**  
Shaukat, Neelofar; Khan, Bilal; Qureshi, Muhammad Bilal; Jawad, Muhammad; **Shabbir, Noman; Daniel, Kamran** 2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG) 2023 / 5 p <https://doi.org/10.1109/ETFG55873.2023.10407358>

### **Distributed diffusion LMS based energy detection**

**Ainomäe, Ahti; Trump, Tõnu;** Bengtsson, Mats 2014 6th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT) 2014 / p. 176-183 : ill

### **A Distributed DoS detection scheme for NoC-based MPSoCs**

**Chaves Arroyave, Cesar Giovanni; Azad, Siavoosh Payandeh; Hollstein, Thomas;** Sepulveda, Johanna 2018 IEEE Nordic Circuits and Systems Conference (NORCAS) : NORCHIP and International Symposium of System-on-Chip (SoC) : 30-31 October 2018, Tallinn, Estonia : proceedings in IEEE Xplore 2018 / 6 p. : ill <https://doi.org/10.1109/NORCHIP.2018.8573524>

### **Distributed energy laboratory concept focused on power electronics units**

**Poliakov, Nikolai; Demidova, Galina; Zolov, Pavel** International Conference on Electromechanical and Power Systems (SIELMEN) 2021 / p. 387-392 <https://doi.org/10.1109/SIELMEN53755.2021.9600330>

### **Distributed largest eigenvalue detection**

**Ainomäe, Ahti; Trump, Tõnu;** Bengtsson, Mats 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 3519-3523 : ill <https://doi.org/10.1109/ICASSP.2017.7952811> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Distributed largest eigenvalue-based spectrum sensing using diffusion LMS**

**Ainomäe, Ahti;** Bengtsson, Mats; **Trump, Tõnu** IEEE transactions on signal and information processing over networks 2018 / p. 362-377 : ill <https://doi.org/10.1109/TSPN.2017.2705483> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Distributed price-based power management for multibuses DC nanogrids EEMS**

**Carvalho da Silva, Edivan Laercio;** Bellinaso, Lucas V.; Cardoso, Rafael; Michels, Leandro IEEE journal of emerging and selected topics in power electronics 2022 / p. 5509-5521 <https://doi.org/10.1109/JESTPE.2022.3152101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Distributed recursive energy detection**

**Ainomäe, Ahti; Trump, Tõnu;** Bengtsson, Mats 2014 IEEE Wireless Communication and Networking Conference (WCNC) 2014 / p. 1242-1247 : ill

### **Distribution transformer frequency response analysis : behavior of different statistical indices during inter-disk fault**

**Nurmanova, Venera;** Sultanbek, Adilet; Bagheri, Mehdi; **Ahmadihangar, Roya** 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) 2019 / 6 p. : ill <https://doi.org/10.1109/EEEIC.2019.8783252>

### **Disturbance decoupling in nonlinear hybrid systems [Electronic resource]**

**Kaldmäe, Arvo; Kotta, Ülle;** Shumsky, Alexey; Zhirabok, Alexey 12th IEEE International Conference on Control and Automation : ICCA 2016 : Kathmandu, Nepal, 1-3 June 2016 2016 / p. 86-91 : ill. [USB] <https://doi.org/10.1109/ICCA.2016.7505257>

### **Disturbance decoupling problem in finite automata : sensor location problem**

**Kaldmäe, Arvo; Kotta, Ülle;** Shumsky, Alexey; Zhirabok, Alexey 2016 IEEE Conference on Control Applications (CCA) : part of 2016 IEEE Multi-Conference on Systems and Control, September 19-22, 2016, Buenos Aires, Argentina 2016 / p. 481-486 : ill <https://doi.org/10.1109/CCA.2016.7587876>

### **Diversity issues in adaptive modular systems**

**Lints, Taivo** 4th Annual IEEE Systems Conference : San Diego, CA, April 5-8, 2010 2010 / p. 207-210 <https://ieeexplore.ieee.org/document/5482473>

### **Divider implementation based on USP-awadhoot division algorithm For area optimization**

**Patankar, Udayan Sunil; Koel, Ants;** Patankar, Sunil M.; Flores, Miguel E. IEEE 4th Advanced Information Management, Communicates, Electronic and Automation Control Conference (IMCEC) 2021 / p. 1675-1682 <https://doi.org/10.1109/IMCEC51613.2021.9482132>

### **Division algorithms - from past to present chance to improve area time and complexity for digital applications**

**Patankar, Udayan Sunil;** Flores, Miguel E.; **Koel, Ants** LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p <https://doi.org/10.1109/LAEDC49063.2020.9073050>

### **DocOnTap : AI-based disease diagnostic system and recommendation system**

**Abideen, Zain Ul;** Khan, Talha Ali; Ali, Raja Hashim; Ali, Nisar; Baig, Muhammad Muneeb; Ali, Muhammad Sajid 17th International Conference on Emerging Technologies (ICET), Swabi, Pakistan, 29-30 November 2022 2022 / p. 148-153 <https://doi.org/10.1109/ICET56601.2022.10004621>

### **Documenting and analysing business-and operational risks**

**Kangilaski, Taivo; Kaugerand, Jaanus** 2024 Tenth International Conference on eDemocracy & eGovernment (ICEDEG) 2024

**Domain analysis with archetype patterns based Zachman framework for enterprise architecture**

**Piho, Gunnar; Tepandi, Jaak; Roost, Mart** Proceedings the 4th International Symposium on Information Technology 2010. Vol. 3, Knowledge Society and System Development and Application : Kuala Lumpur, Malaysia, June 15-17, 2010 2010 / p. 1351-1356  
<https://ieeexplore.ieee.org/document/5561641>

**Don't do things that you can't undo : reversibility models for generating safe behaviours**

**Kruusmaa, Maarja; Gavšin, Juri; Eppendahl, A.** Proceedings of the 2007 IEEE International Conference in Robotics and Automation : ICRA'07 : Rome, Italy, 10-14 April 2007 2007 / p. 1134-1139 <https://ieeexplore.ieee.org/document/4209241>

**DOT: new deterministic defect-oriented ATPG tool**

**Raik, Jaan; Ubar, Raimund-Johannes; Sudbrock, Joachim; Kuzmich, Wieslaw; Pleskacz, Witold A.** European Test Symposium : ETS 2005 : 22-25 May 2005, Tallinn, Estonia : proceedings 2005 / p. 96-101 : ill

**Double deep Q-Learning approach for tuning microwave cavity filters using locally linear embedding technique**

**Sekhri, Even; Kapoor, Rajiv; Tamre, Mart** 2020 International Conference Mechatronic Systems and Materials (MSM) 2020 / 6 p. : ill  
<https://doi.org/10.1109/MSM49833.2020.9202393>

**Driver distraction detection and evaluation with artificial neural network and fuzzy logic : In-vehicle information system as a driver's secondary activity: case study**

**Aksjonov, Andrei; Nedoma, Pavel; Vodovozov, Valery; Petlenkov, Eduard** 2018 IEEE 15th International Workshop on Advanced Motion Control (AMC 2018) 2018 / p. 523-528 : ill [Driver distraction detection and evaluation with artificial neural network and fuzzy logic : In-vehicle information system as a driver's secondary activity: case study](https://doi.org/10.1109/AMC48333.2018.8602393)

**A DRL strategy for optimal resource allocation along with 3D trajectory dynamics in UAV-MEC network**

**Khurshid, Tayyaba; Ahmed, Waqas; Rehan, Muhammad; Ahmad, Rizwan; Alam, Muhammad Mahtab; Radwan, Ayman** IEEE Access 2023 / p. 54664 - 54678 <https://doi.org/10.1109/ACCESS.2023.3278591> [Journal metrics at Scopus](https://doi.org/10.1109/ACCESS.2023.3278591) [Article at Scopus](https://doi.org/10.1109/ACCESS.2023.3278591) [Journal metrics at WOS](https://doi.org/10.1109/ACCESS.2023.3278591) [Article at WOS](https://doi.org/10.1109/ACCESS.2023.3278591)

**Droop control implementation in bidirectional step-up/down Partial power converter for battery energy storage applications**

**Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413064>

**Droop control with incorporated dead zone for indirect energy management in DC nanogrids**

**Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri** 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 6 p <https://doi.org/10.1109/PEMC61721.2024.10726394>

**A DSP-based EBI, ECG and PPG measurement platform**

**Abdullayev, Anar; Rist, Marek; Märten, Olev; Metshein, Margus; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; Min, Mart; John, Deepu; Cardiff, Barry; Krivošei, Andrei; Annus, Paul** IEEE transactions on instrumentation and measurement 2023 / art. 2007808, 8 p <https://doi.org/10.1109/TIM.2023.3320771> [Journal metrics at Scopus](https://doi.org/10.1109/TIM.2023.3320771) [Article at Scopus](https://doi.org/10.1109/TIM.2023.3320771) [Journal metrics at WOS](https://doi.org/10.1109/TIM.2023.3320771) [Article at WOS](https://doi.org/10.1109/TIM.2023.3320771)

**DSP-based electrical impedance tomography device: implementation and experiments**

**Abdullayev, Anar; Rist, Marek; Metshein, Margus; Märten, Olev** 2025 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) 2025 / 6 p <https://doi.org/10.1109/I2MTC62753.2025.11079140>

**A DSP-based impedance measurement device**

**Abdullayev, Anar; Märten, Olev; Rist, Marek; Metshein, Margus; Min, Mart; Annus, Paul** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 l. <https://doi.org/10.1109/BEC56180.2022.9935588>

**A DSP-based multichannel EBI measurement device**

**Abdullayev, Anar; Rist, Marek; Krivošei, Andrei; Metshein, Margus; Land, Raul; Märten, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024  
<https://doi.org/10.1109/I2MTC60896.2024.10560714>

**A Dual-arm robot for collaborative vision-based object classification**

**Zahavi, Ali; Najafi Haeri, Shahriar; Chamara Liyanage, Dhanushka; Tamre, Mart** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 <https://doi.org/10.1109/BEC49624.2020.9277067>

**Dual-purpose converters for DC or AC grid as energy transition solution : perspectives and challenges**

**Husev, Oleksandr; Vinnikov, Dmitri; Kouro, Samir; Blaabjerg, Frede; Roncero-Clemente, Carlos** IEEE industrial electronics magazine 2023 <https://doi.org/10.1109/MIE.2022.3230219>

#### **Dual-purpose dc-dc/ac PWM modular power converter as grid-forming unit in a droop-controlled ac nanogrid**

Roncero-Clemente, Carlos; Escalona, Javier-Gutiérrez; **Matiushkin, Oleksandr**; Pires, V. Fernão; Milanés-Montero, María Isabel; **Romero-Cadaval, Enrique** IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / 6 p <https://doi.org/10.1109/IECON55916.2024.10906022> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Dynamic behaviour of qZS-based bi-directional DC/DC converter in supercapacitor charging mode [Electronic resource]**

**Zakis, Janis; Vinnikov, Dmitri; Husev, Oleksandr**; Rankis, Ivars SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 764-768 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6264554>

#### **Dynamic characteristic evaluation of a 600V reverse blocking IGBT device**

**Korkh, Oleksandr; Blinov, Andrei** Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia 2018 / p. 1-5 : ill <https://doi.org/10.1109/AIEEE.2017.8270527>

#### **Dynamic control system for electric motor drive testing on the test bench**

**Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 252-257 : ill <http://dx.doi.org/10.1109/CPE.2015.7231082>

#### **Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey**

Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill <https://doi.org/10.1109/ACCESS.2017.2758523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Dynamic modeling of the demagnetization in Halbach array permanent magnet machines**

**Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas** COMPUMAG 2013 : [proceedings] 2013 / p. 1-2 : ill

#### **Dynamic network tariff in practices : key issues and challenges**

**Singh, Praveen Prakash; Wen, Fushuan; Palu, Ivo** 2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON) 2021 / p. 1-6 <https://doi.org/10.1109/GUCON50781.2021.9573767>

#### **Dynamic output feedback linearization based adaptive control of nonlinear MIMO systems**

**Petlenkov, Eduard; Belikov, Juri; Nömm, Sven**; Wyrwas, Malgorzata The American Control Conference (ACC2008) : Seattle, Washington, USA, June 11-13, 2008 2008 / p. 3446-3451 <https://ieeexplore.ieee.org/document/4587026>

#### **Dynamic pole placement based control of nonlinear discrete time systems with input delay**

**Belikov, Juri; Petlenkov, Eduard** Control Applications (CCA) & Intelligent Control (ISIC) : 2009 IEEE : 8-10 July 2009, St.Petersburg 2009 / p. 394-399

#### **Dynamic predictive modeling approach of user behavior in virtual reality based application**

**Köse, Ahmet; Tepļakov, Aleksei; Petlenkov, Eduard** 2019 27th Mediterranean Conference on Control and Automation (MED) 2019 / p. 57-62 : ill <https://doi.org/10.1109/MED.2019.8798521>

#### **Dynamic radio frame configuration by exploiting uplink control channel for URLLC**

**Sharma, Navuday; Alam, Muhammad Mahtab; Le Moullec, Yannick; Malik, Hassan**; Bennis, Mehdi; **Päränd, Sven** 2019 IEEE Wireless Communications and Networking Conference Workshop (WCNCW) 2019 / 6 p. : ill <https://doi.org/10.1109/WCNCW.2019.8902898>

#### **Dynamic reconfiguration for wide output voltage range isolated buck-boost PFC converter**

**Verbytskyi, Ievgen; Nadeem, Mohammad Mahad; Blinov, Andrei; Carvalho da Silva, Edivan Laercio; Chub, Andrii; Vinnikov, Dmitri** 2023 IEEE 8th Southern Power Electronics Conference and 17th Brazilian Power Electronics Conference (SPEC/COBEP) 2023 / 5 p. : ill <https://doi.org/10.1109/SPEC56436.2023.10407792>

#### **Dynamic slot allocation using non overlapping backoff algorithm in IEEE 802.15.6 WBAN**

**Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; Alam, Muhammad Mahtab; Kuusik, Alar; Le Moullec, Yannick** IEEE sensors journal 2020 / p. 10862-10875 : ill <https://doi.org/10.1109/JSEN.2020.2993795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Dynamic state space model based analysis of a three-phase induction motor using nonlinear magnetization inductance**

**Asad, Bilal; Vaimann, Toomas; Rassölkin, Anton; Belahcen, Anouar** 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 260-265 : ill <https://doi.org/10.1109/EPE.2018.8396039>

#### **Dynamic Time Warping Technique for Condition Monitoring of High Voltage Circuit Breakers**

**Asefi, Sajjad; Kilter, Jako** 2025 15th International Conference on Power, Energy, and Electrical Engineering (CPEEE) 2025 / p. 38-42 <https://doi.org/10.1109/CPEEE64598.2025.10987408>

### **Dynamics of partner network**

**Kangilaski, Taivo; Ševtšenko, Eduard** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 / p. 105-110 : ill

### **Dynamics of the Public Satisfaction with Situation Management During COVID-19 Pandemic : Developments from March 2020 to January 2022**

**Rebane, Karoliina; Teichmann, Mare; Rannat, Kalev** 2022 IEEE International Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA) : proceedings 2022 / p. 112-114 <https://doi.org/10.1109/CogSIMA54611.2022.9830670>

### **Early detection of network attacks using deep learning**

Ahmad, Tanwir; Truscan, Dragos; **Vain, Jüri**; Porres, Ivan 2022 IEEE 15th International Conference on Software Testing, Verification and Validation Workshops : ICSTW 2022, 4–13 April 2022, Virtual Event : proceedings 2022 / p. 30-39  
<https://doi.org/10.1109/ICSTW55395.2022.00020> <https://arxiv.org/pdf/2201.11628.pdf>

### **Early RTL analysis for SCA vulnerability in fuzzy extractors of memory-based PUF enabled devices**

**Lai, Xinhui; Jenihhin, Maksim**; Selims, Georgios arXiv.org 2020 / 6 p. : ill <https://doi.org/10.48550/arXiv.2008.08409>  
<https://arxiv.org/abs/2008.08409>

### **ECG classification with event-driven sampling**

Saeed, Maryam; **Märtens, Olev**; Larras, Benoît; Frappe, Antoine; John, Deepu; Cardiff, Barry IEEE Access 2024 / p. 25188-25199  
<https://doi.org/10.1109/ACCESS.2024.3364115>

### **Economic feasibility analysis for a residential building in Tallinn with high electricity consumption. A case study with suitable energy storage for the Estonian climate**

**Rikkas, Elina Rebecka** 2020 17th International Conference on the European Energy Market (EEM) 2020 / 5 p  
<https://doi.org/10.1109/EEM49802.2020.9221961>

### **Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 1 : hybrid components sizing**

**Bolgov, Viktor; Laanetu, Margus** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 179-186 : ill <https://doi.org/10.1109/PQ.2016.7724110>

### **An economical optimization for the participation of a residential microgrid in flexibility markets providing ancillary services**

Alvi, Anas Abdullah; Gonzalez-Romera, Eva; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Milanes-Montero, Maria Isabel; Barrero-Gonzalez, Fermin 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604394>

### **Eddy current loss reduction prospects in laser additively manufactured soft magnetic cores**

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton** 2022 International Conference on Electrical Machines (ICEM) 2022 / p. 1511-1516 <https://doi.org/10.1109/ICEM51905.2022.9910679>

### **Editorial : special issue on impedance-source converter topologies and applications**

**Vinnikov, Dmitri**; Li, Yuan; Abu-Rub, Haitham IEEE Transactions on Power Electronics 2016 / p. 7417-7418  
<https://doi.org/10.1109/TPEL.2016.2577418> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Editorial deciphering convergence : novel insights and future ideas on science, technology, and industry convergence**

Appio, Francesco Paolo; Broring, Stefanie; Sick, Nathalie; Lee, Sungjoo; **Mora, Luca** IEEE Transactions on Engineering Management 2023 / p. 1389 - 1401 <https://doi.org/10.1109/TEM.2023.3242518> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Educational decision-making about curriculum development, environments and economics of education**

**Läänemets, Urve; Rüttnann, Tiia** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 764-767 : ill  
<http://dx.doi.org/10.1109/EDUCON.2015.7096056>

### **Educational thesaurus of power electronics**

**Raud, Zoja; Vodovozov, Valery** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill

### **EDUTECH - good practices in cooperation between schools and academia attracting candidates for technical education**

**Rassõlkin, Anton; Vaimann, Toomas; Kudelina, Karolina**; Stepień, Mariusz; Berger, Kevin 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 <https://doi.org/10.1109/RTUCON51174.2020.9316614>

### **EEG analyzer prototype based on FPGA**

**Jenihhin, Maksim; Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri; Ellervee, Peeter; Hinrikus, Hiie; Bachmann, Maie**;

**Lass, Jaanus** 7th International Symposium on Image and Signal Processing and Analysis (ISPA 2011) : September 4-6, 2011, Dubrovnik, Croatia : proceedings 2011 / p. 101-106 : ill <https://ieeexplore.ieee.org/document/6046588>

**The effect of build direction on the thermal conductivity of additively manufactured AIS10Mg and silicon-steel samples**  
**Sarap, Martin; Kallaste, Ants; Shams Ghahfarokhi, Payam; Tiismus, Hans; Vaimann, Toomas** 2022 International Conference on Electrical Machines (ICEM) 2022 / p. 538-543 <https://doi.org/10.1109/ICEM51905.2022.9910944>

**Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices**

**Daniel, Kamran; Kütt, Lauri; Lehtonen, Matti; Shabbir, Noman; Iqbal, Muhammad Naveed; Martins, Joao; Simson, Päivo** IEEE Access 2025

**Effect of double-slope modulation signals on conducted emissions and efficiency of strongly coupled magnetic resonance WPT systems**

Stepins, Deniss; Zakis, Janis; Audze, Janis; **Husev, Oleksandr**; Shevchenko, Viktor; Pakhaliuk, Bohdan 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2019 / 4 p <https://doi.org/10.1109/RTUCON48111.2019.8982351>

**Effect of droop control curves on the efficiency of dual-active bridge converters**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** IECON 2023- 49th Annual Conference of the IEEE Industrial Electronics Society IECON Proceedings (Industrial Electronics Conference) 2023 / 6 p <https://doi.org/10.1109/IECON51785.2023.10312056> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Effect of electrode shape on medium voltage covered conductor insulation durability under electric stress**

**Kiitam, Ivar; Taklaja, Paul; Tuttelberg, Kaur** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659862>

**Effect of hybrid modulation on performance of wireless battery charger operating in CC/CV mode**

Stepins, Deniss; Kathari, N.; Zakis, Janis; **Husev, Oleksandr**; Pakhaliuk, Bohdan; Shevchenko, Viktor IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / 6 p <https://doi.org/10.1109/IECON48115.2021.9589544>

**Effect of keysight 3458A jitter on precision of phase difference measurement**

**Pokatilov, Andrei; Kübarsepp, Toomas**; Vabson, Viktor IEEE transactions on instrumentation and measurement 2016 / p. 2595-2600 : ill <https://doi.org/10.1109/TIM.2016.2593965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The effect of local cold and warm exposure on index finger photoplethysmographic signal waveform**

**Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus** 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2013 / p. 2300-2303 <https://doi.org/10.1109/EMBC.2013.6609997> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of Magnetic Forces and Magnetostriction on the Stator Vibrations of a Bearingless Synchronous Reluctance Motor**

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2019 / 4 p. : ill <https://doi.org/10.1109/TMAG.2019.2894739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of mission profile resolution on photovoltaic energy yield prediction in Python and MATLAB**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri; Blaabjerg, Frede** 2021 IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2021 / 5 p. : ill <https://doi.org/10.1109/CPE-POWERENG50821.2021.9501222>

**Effect of negative and positive emotions on EEG spectral asymmetry**

**Päeske, Laura; Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie** 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / p. 8107 - 8110 <https://doi.org/10.1109/EMBC.2015.7320275> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of PM parameters variability on the operation quantities of a wind generator**

**Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas** 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 242-247 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194536>

**Effect of punching the electrical sheets on optimal design of a permanent magnet synchronous motor**

Martin, Florian; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero IEEE Transactions on Magnetics 2018 / art. 8102004 <https://doi.org/10.1109/TMAG.2017.2768399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors**

Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero Proceedings : 2012 XXth International Conference on Electrical Machines : Palais des Congrès et des Expositions de Marseille Marseille, France, 02-05 September, 2012 2012 / p. 1282-1286 : ill

**Effect of steam activation on oil shale semi-coke surface properties**

**Pikkor, Heliis; Konist, Alar; Maaten, Birgit; Järvi, Oliver; Lees, Heidi** International Multidisciplinary Conference on Computer and Energy Science (SpliTech) 2021 / 5 p <https://doi.org/10.23919/SpliTech52315.2021.9566397>

**Effective scalable IEEE 1687 instrumentation network for fault management**

**Jutman, Artur; Shibin, Konstantin; Devadze, Sergei** IEEE design & test 2013 / p. 26-35 : ill

<https://doi.org/10.1109/MDAT.2013.2278535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effective tools and models for engineering faculty MasteryTeaching supporting meaningful learning**

**Rüütman, Tiia** Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / 1622-1626 : ill

<https://doi.org/10.1109/EDUCON45650.2020.9125266>

**Effects of annotation quality on model performance**

**Alhazmi, Khaled; Alsumari, Walaa; Seppo, Indrek; Podkuiko, Lara; Simon, Martin** 2021 International Conference on Artificial Intelligence in Information and Communication (ICAIIIC), 13-16 April 2021 2021 / p. 063–067

<https://doi.org/10.1109/ICAIIIC51459.2021.9415271>

**Effects of economic shocks on power systems: {COVID-19} as a case study**

**Navon, Aviad; Orda, Ariel; Levron, Yoash; Belikov, Juri** 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 5 p. : ill <https://doi.org/10.1109/ISGTEurope52324.2021.9640021>

**Effects of PV microgeneration on rural LV network voltage quality - harmonics and unbalance**

**Hürmeýdan, Semih; Rosin, Argo; Vinnal, Toomas** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 97-100 : ill

<https://doi.org/10.1109/PQ.2016.7724096>

**Effects of PV microgeneration on rural LV network voltage quality [Online resource]**

**Hürmeýdan, Semih; Rosin, Argo; Vinnal, Toomas; Jagomägi, Andri** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [4] p. : ill

<https://doi.org/10.1109/RTUCON.2016.7763083>

**Effects of voltage transients on the DC droop control in residential nanogrids**

**Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri; Jalakas, Tanel** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227464>

**Efficiency and loss distribution analysis of the 3L-Active NPC qZS inverter**

**Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Fernao Pires, Vitor; Husev, Oleksandr** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018) : Doha, Qatar, 10-12 April 2018 2018 / p. 449-454 : ill <https://doi.org/10.1109/CPE.2018.8372560>

**Efficiency control for adjustment of number of working pumps in multi-pump system**

**Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 396-402 : ill <http://dx.doi.org/10.1109/CPE.2015.7231108>

**Efficiency improvement from topology modification of the single-switch isolated quasi-Z-source DC-DC converter [Online resource]**

**Liivik, Elizaveta; Chub, Andrii; Vinnikov, Dmitri** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [7] p. : ill

<https://doi.org/10.1109/RTUCON.2016.7763118>

**Efficiency improvement of step-up series resonant DC-DC converter in buck operating mode**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p. : ill

<https://doi.org/10.1109/RTUCON51174.2020.9316574>

**Efficiency map comparison of induction and synchronous reluctance motors**

**Rassõlkin, Anton; Heidari, Hamidreza; Kallaste, Ants; Vaimann, Toomas; Acedo, Jaime Pando; Romero-Cadaval, Enrique** 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January – 2nd of February 2019 : proceedings 2019 / 4 p. : ill

<https://doi.org/10.1109/IWED.2019.8664334>

**Efficiency study of the single-phase solar qZS-based inverter**

**Husev, Oleksandr; Stepenko, Serhii; Vinnikov, Dmitri; Roncero, Carlos; Santasheva, Elena; Romero-Cadaval, Enrique** IECON

**An efficient analog convolutional neural network hardware accelerator enabled by a novel memoryless architecture for insect-sized robots**

Dadras, Iman; **Ahmadilivani, Mohammad Hasan**; Banerji, Saoni; **Raik, Jaan**; Abloo, Alvo 2022 11th International Conference on Modern Circuits and Systems Technologies (MOCASST) : Bremen, Germany : 08-10 June 2022 2022 / p. 1-6  
<https://doi.org/10.1109/MOCASST54814.2022.9837551>

**Efficient analog implementations of fractional-order controllers**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** Proceedings of the 2013 14th International Carpathian Control Conference (ICCC) : Ryto, Hotel Perla Południa, Poland, May 26-29, 2013 2013 / p. 377-382 : ill

**Efficient event log mining with LogClusterC**

**Zhuge, Chen; Vaarandi, Risto** The Third IEEE International Conference on Big Data Security on Cloud, IEEE BigDataSecurity 2017 : The Third IEEE International Conference on High Performance and Smart Computing, IEEE HPSC 2017 : The Second IEEE International Conference on Intelligent Data and Security, IEEE IDS 2017 : proceedings : 26-28 May 2017, Beijing, China 2017 / p. 261-266 : tab <http://doi.org/10.1109/BigDataSecurity.2017.26>

**Efficient fault injection based on dynamic HDL slicing technique**

**Bagbaba, Ahmet Cagri; Jenihhin, Maksim; Raik, Jaan**; Sauer, Christian 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS 2019) : 1-3 July 2019, Greece 2019 / p. 52-53 : ill  
<https://doi.org/10.1109/IOLTS.2019.8854419>

**An efficient FPGA-based architecture for contractive autoencoders**

**Kerner, Madis; Tammemäe, Kalle; Raik, Jaan**; Hollstein, Thomas 2020 IEEE 28th Annual International Symposium on Field-Programmable Custom Computing Machines (FCCM), 3 – 6 May 2020, Fayetteville, Arkansas : proceedings 2020 / p. 230-230  
<https://doi.org/10.1109/FCCM48280.2020.00062>

**Efficient methodology for ISO26262 functional safety verification**

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Hamdioui, Said; Sauer, Christian 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS), 1-3 July 2019, Rhodes, Greece 2019 / p. 255-256  
<https://doi.org/10.1109/IOLTS.2019.8854449>

**Efficient on-device transfer learning using activation memory reduction**

Yoosefi, Amin; Mousavi, Hamid; **Daneshtalab, Masoud**; Kargahi, Mehdi 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 210-215 <https://doi.org/10.1109/FMEC59375.2023.10306182>

**EFIC-ME : a fast emulation based fault injection control and monitoring enhancement**

**Abideen, Zain Ul; Rashid, Muhammad Haroon** IEEE Access 2020 / p. 207705-207716  
<https://doi.org/10.1109/ACCESS.2020.3038198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**eGovernment services : How to develop them, how to manage them?**

**Kalja, Ahto; Kindel, Kristiina**; Kivi, Riina; **Robal, Tarmo** Proceedings of PICMET'07 : Management of Converging Technologies : Portland, OR, USA, 5-9. August 2007 2007 / p. 2795-2798 <https://ieeexplore.ieee.org/document/4349620>

**ELC-ECG: efficient LSTM cell for ECG classification based on quantized architecture**

Mirsalari, Seyed Ahmad; Nazari, Najmeh; Ansarmohammadi, Seyed Ali; Sinaei, Sima; Salehi, Mostafa E.; **Daneshtalab, Masoud** 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p  
<https://doi.org/10.1109/ISCAS51556.2021.9401261> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Electric drive for throttle control of centrifugal pump system**

**Gevorkov, Levon; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659845>

**Electric field distribution in glass and porcelain pin insulators [Electronic resource]**

**Taklaja, Paul; Kiitam, Ivar; Niitsoo, Jaan**; Hyvönen, Petri; Klüss, Joni 2015 IEEE 15th International Conference on Environment and Electrical Engineering : conference proceedings : June 10-13, 2015, Rome 2015 / p. 267-271 : ill. [CD-ROM]  
<http://dx.doi.org/10.1109/EEEIC.2015.7165550>

**Electric vehicle charger load current harmonics variations due to supply voltage level differences - case examples**

**Kütt, Lauri**; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Niitsoo, Jaan** 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 917-922 : ill

**Electric vehicle fast charger high voltage input multiport converter topology analysis [Electronic resource]**

**Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power

Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 326-331 : ill [CD-ROM]

**Electric vehicle multiport fast charger based on the concept of active power electronic transformer**

**Jalakas, Tanel; Roasto, Indrek;** Gallardo-Lozano, Javier; Romero-Cadaval, Enrique 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 3 2014 / p. 2168-2176 : ill

**Electrical and mechanical properties of service-aged medium voltage porcelain support insulators**

**Kiitam, Ivar; Saarna, Mart; Taklaja, Paul; Tealane, Marko; Palu, Ivo** 2020 6th IEEE International Energy Conference (ENERGYCon) 2020 / p. 702-706 <https://doi.org/10.1109/ENERGYCon48941.2020.9236596>

**Electrical resistivity of additively manufactured silicon steel for electrical machine fabrication**

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton;** Belahcen, Anouar 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818252>

**Electrode placement strategies for the measurement of radial artery bioimpedance : simulations and experiments**

**Pesti, Ksenija; Metshein, Margus; Annus, Paul; Kõiv, Hip; Min, Mart** IEEE transactions on instrumentation and measurement 2021 / 10 p. : ill <https://doi.org/10.1109/TIM.2020.3011784> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An electrolytic capacitor-less multiple-output LED driver with a universal input voltage**

Awad, Khaled; **Abdelrahim Abdelghafour, Omar Mohamed;** Gaafar, Mahmoud A.; Orabi, Mohamed; **Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 l. <https://doi.org/10.1109/ENERGYCON53164.2022.9830255>

**Embedded blur-free single-image acquisition pipeline for droplet microfluidic imaging flow cytometry (IFC)**

**Afrin, Fariha; Pärnamets, Kaiser; Le Moullec, Yannick; Udal, Andres; Koel, Ants; Pardy, Tamas; Rang, Toomas** IEEE Access 2024 / p. 92431-92441 <https://doi.org/10.1109/ACCESS.2024.3421637>

**Embedded ICG-based stroke volume measurement system : comparison of discrete-time and continuous-time architectures**

Gautier, Antoine; Larras, Benoit; **Märtens, Olev;** John, Deepu; Frappe, Antoine IEEE International SOC Conference 2022 / p. 46-51 <https://doi.org/10.1109/SOCC52499.2021.9739386>

**Embedded instrumentation toolbox for screening marginal defects and outliers for production**

**Odintsov, Sergei;** Jutman, Artur; Devadze, Sergei; **Aleksejev, Igor** IEEE AUTOTESTCON 2017 : Schaumburg, USA, Sept 11-14, 2017 : proceedings 2017 / p. 336-334 : ill <https://doi.org/10.1109/AUTEST.2017.8080516>

**Embedded software performance estimations at different compiler optimisation levels**

**Ruberg, Priit; Lass, Keijo; Liiv, Elvar; Ellervee, Peeter** Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia 2017 / p. 1-6 : ill <https://doi.org/10.1109/AIEEE.2017.8270530>

**Emerging role of industry 5.0 digital twins in demand response electricity market and applications**

**Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard;** Levron, Yoash IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 6 p <https://doi.org/10.1109/ISGTEUROPE56780.2023.10407322>

**Empirical evaluation of guidelines for prototyping sociotechnical systems in JADE framework**

**Mahunnah, Msury; Taveter, Kuldar;** Wai Shiang, Cheah; Yee Wai, Sim 2018 International Symposium on Agents, Multi-Agent Systems and Robotics (ISAMSR 2018) : Putrajaya, Malaysia, 27 August 2018 2018 / p. 51-56 : ill <http://doi.org/10.1109/ISAMSR.2018.8540558>

**Empirical evaluation of NB-IoT and CAT-M coverage for underground water system**

**Roosipuu, Priit; Annus, Ivar; Kuusik, Alar; Kändler, Nils; Alam, Muhammad Mahtab; Mürsepp, Ivo** IEEE Access 2024 / 14 p <https://doi.org/10.1109/ACCESS.2024.3478733>

**An empirical evaluation of the requirements engineering tool for socio-technical systems**

**Mahunnah, Msury; Taveter, Kuldar;** Matulevičius, Raimundas 2018 7th Workshop on Empirical Requirements Engineering : EmpiRE 2018 : 21 August 2018, Banff, Alberta, Canada : proceedings 2018 / p. 8-19 : ill <https://doi.org/10.1109/EmpiRE.2018.00012>

**An empirical modeling for the baseline energy consumption of an NB-IoT radio transceiver**

**Khan, Sikandar Muhammad Zulqarnain; Alam, Muhammad Mahtab; Le Moullec, Yannick; Kuusik, Alar; Päränd, Sven;** Verikoukis, Christos IEEE Internet of Things Journal 2021 / p. 14756-14772 : ill <https://doi.org/10.1109/JIOT.2021.3072769> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Employing haptic input-output for cognitive training applications**

**Joason, Erkki;** Tulviste, Jaan; **Melik, Andres** 2009 IEEE International Conference on Virtual Environments, Human-Computer

Interfaces, and Measurements Systems (VECIMS 2009) : Hong-Kong, China, 11.-13.05.2009 : proceedings 2009 / p. 12-15  
<https://ieeexplore.ieee.org/document/5068857>

#### **Enabling cross-layer reliability and functional safety assessment through ML-based compact models**

Alexandrescu, Dan; **Balakrishnan, Aneesh**; Lange, Thomas; Glorieux, Maximilien Proceedings : 2020 26th IEEE International Symposium on On-Line Testing and Robust System Design : IOLTS 2020, Napoli, Italy, July 13-16, 2020 : virtual edition 2020 / 6 p. : ill <https://doi.org/10.1109/IOLTS50870.2020.9159750>

#### **Enabling secure MPSoC dynamic operation through protected communication**

**Azad, Siavoosh Payandeh**; **Niazmand, Behrad**; **Jervan, Gert**; Sepulveda, Johanna 2018 25th IEEE International Conference on Electronics Circuits and Systems (ICECS), Bordeaux, France, December 9–12, 2018 2018 / p. 481-484 : ill <https://doi.org/10.1109/ICECS.2018.8617940>

#### **Encoderless rotor position estimation of a switched reluctance drive operated under model predictive control**

Anuchin, Aleksey; Shpak, Dmitry; **Demidova, Galina** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 <https://doi.org/10.1109/RTUCON51174.2020.9316621>

#### **End-to-end link availability assessments in an optical spectrum as a service use-case**

**Kaeval, Kaida** 2024 International Conference on Optical Network Design and Modeling (ONDM) : proceedings 2024 / 6 p <https://doi.org/10.23919/ONDM61578.2024.10582649>

#### **End-to-end Timing Model Extraction from TSN-Aware Distributed Vehicle Software**

Houtan, Bahar; Aybek, Mehmet Onur; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 48th Euromicro Conference on Software Engineering and Advanced Applications : SEAA 2022 : proceedings 2022 / p. 366-369 <https://doi.org/10.1109/SEAA56994.2022.00064>

#### **End-to-end timing modeling and analysis of TSN in component-based vehicular software**

Houtan, Bahar; Aybek, Mehmet Onur; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Lundbäck, John; Mubeen, Saad 2023 IEEE 26th International Symposium on Real-Time Distributed Computing (ISORC) 2023 / p. 126-135 <https://doi.org/10.1109/ISORC58943.2023.00025>

#### **End-user electricity consumption modelling for power quality analysis in residential building**

**Iqbal, Muhammad Naveed**; **Kütt, Lauri** 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16-18 May, 2018 2018 / 6 p. : ill <https://doi.org/10.1109/EPE.2018.8396030>

#### **Energy consumption evaluation of NOMA-based sustainable scheduling in 6G O-RAN**

**Latif, Aamir**; **Alam, Muhammad Mahtab**; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick** 2024 International Wireless Communications and Mobile Computing (IWCMC) 2024 / p. 484-489 <https://doi.org/10.1109/IWCMC61514.2024.10592553>

#### **An energy detector for spectrum sensing in impulsive noise environment**

**Trump, Tõnu**; **Mürsepp, Ivo** 22nd IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'11) : Toronto, Canada, 11-14 september 2011 2011 / p. 467-471 : ill <https://doi.org/10.1109/PIMRC.2011.6140004>

#### **Energy efficiency and connectivity maximization for massive machine type communication in multi-cell NOMA**

**Latif, Aamir**; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) : October 2-4, 2024, Estonia 2024 / 6 p <https://doi.org/10.1109/BEC61458.2024.10737950> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Energy efficiency and latency optimization for IoT URLLC and mMTC use cases**

**Elgarhy, Osama Mohamed Mostafa**; Reggiani, Luca; **Alam, Muhammad Mahtab**; Zoha, Ahmed; Ahmad, Rizwan; **Kuusik, Alar** IEEE Access / p. 23132-23148 <https://doi.org/10.1109/ACCESS.2024.3364349> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

#### **Energy efficiency evaluation of linear transmitters for 5G NR wireless waveforms**

Biyabani, Sara R.; **Khan, Rida**; **Alam, Muhammad Mahtab**; Biyabani, A. Ahmed; McCune, Earl IEEE transactions on green communications and networking 2019 / p. 446 - 454 : ill <https://doi.org/10.1109/TGCN.2019.2902179> [Journal metrics at Scopus](#) [Article at WOS](#) [Scopus Journal metrics at WOS](#) [Article at WOS](#)

#### **Energy efficiency for bisection based power allocation with proportional fairness in relay-assisted LTE-A downlink system [Online resource]**

Hassan, Hammad; Ahmed, Ifran; **Alam, Muhammad Mahtab** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600970>

#### **Energy management for an integrated energy system with data centers considering carbon trading**

Wang, Yizheng; Li, Zhonghui; **Wen, Fushuan**; **Palu, Ivo**; Sun, Yikai; Zhang, Lijun; Gao, Meijin 2020 IEEE Power & Energy Society

**Energy management implementation approach for droop-controlled residential DC nanogrids**

Hasan, Sayeed; Chub, Andrii; Yadav, Neelesh; Blinov, Andrei; Kurnitski, Jarek; Vinnikov, Dmitri 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <http://doi.org/10.1109/ICDCM63994.2025.11144665>

**Energy management in a centrifugal pumping plant**

Vodovozov, Valery; Raud, Zoja 17th IEEE International Conference on Smart Technologies : IEEE EUROCON 2017 : 6-8 July 2017, Ohrid, Macedonia : conference proceedings 2017 / p. 347-352 : ill <https://doi.org/10.1109/EUROCON.2017.8011133>

**Energy management of an isolated microgrid : a practical case**

Ghasemi-Marzbali, Ali; Ahmadihangar, Roya; Gouran Orimi, Sina; Shafiei, Mohammad; Häring, Tobias; Rosin, Argo IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 13-16 October 2021, Toronto, ON, Canada 2021 / 6 p. : ill <https://doi.org/10.1109/IECON48115.2021.9589801> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Energy minimization for hybrid BIST in a system-on-chip test environment**

Ubar, Raimund-Johannes; Shchenova, Tatjana; Jervan, Gert; Peng, Zebo European Test Symposium : ETS 2005 : 22-25 May 2005, Tallinn, Estonia : proceedings 2005 / p. 2-7 : ill

**Energy router based energy management system for nearly zero energy buildings**

Najafzadeh, Mahdiyyeh; Roasto, Indrek; Jalakas, Tanel 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982366>

**Energy saving in centrifugal pumps using mutual pressure and flowrate control**

Serbin, Aleksandr; Petlenkov, Eduard; Vodovozov, Valery 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8124805>

**Energy storage and forecasting error impact analysis in photovoltaic equipped residential nano-grids**

Hokmabad, Hossein Nouroollahi; Husev, Oleksandr; Belikov, Juri; Vinnikov, Dmitri; Petlenkov, Eduard 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p. <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227406>

**Energy storage expansion planning in microgrid**

Ahmadihangar, Roya; Baharvandi, Amir; Rosin, Argo; Häring, Tobias; Azizi, Elnaz; Korötko, Tarmo; Shabbir, Noman Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 433-437 <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161502>

**Energy yield assessment methodology for photovoltaic microinverters**

Chub, Andrii; Kosenko, Roman; Korkh, Oleksandr; Vinnikov, Dmitri; Kouro, Samir 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC 2019) Santos, Brazil, 1-4 December 2019 2019 / p. 1178-1183 : ill <http://toc.proceedings.com/52923webtoc.pdf>

**Energy-efficient autonomous systems - capacity building cross-border educational initiative**

Kunicina, Nadezda; Plonis, Darius; Bruzgiene, Rasa; Rassölkin, Anton 2025 IEEE 12th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) 2025 / 5 p <https://doi.org/10.1109/AIEEE66149.2025.11050877>

**Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks**

Ulp, Sander; Le Moullec, Yannick; Alam, Muhammad Mahtab IEEE Access 2019 / p. 4410-4421 : ill <https://doi.org/10.1109/ACCESS.2018.2888551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy-efficient operation of linear Delta robots with an artificial intelligence model**

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard; Semjonova, Natalia 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p <https://doi.org/10.1109/BEC61458.2024.10737977> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Energy-efficient predictive control of centrifugal multi-pump stations**

Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja; Raud, Zoja; Gevorkov, Levon PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 233-238 : ill <https://doi.org/10.1109/PQ.2016.7724119>

**Engineering of an effective automatic dynamic assertion mining platform**

Ghasempouri, Tara; Malburg, Jan; Danese, Alessandro; Pravadelli, Graziano; Fey, Goerschwin; Raik, Jaan VLSI-SoC 2019 : 27th IFIP/IEEE International Conference on Very Large Scale Integration : [proceedings] 2019 / p. 111-116 : ill <https://doi.org/10.1109/VLSI-SoC.2019.8920331>

### **Enhanced decision mechanism for RAN subslicing in management closed control loop**

**Kulmar, Marika; Müürsepp, Ivo; Alam, Muhammad Mahtab** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 175-181 : ill <https://doi.org/10.1109/FMEC59375.2023.10306223>

### **An enhanced NN-based load frequency control design of MGs : a fractional order modeling method**

**Škiparev, Vjatšeslav; Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227392>

### **Enhanced optimization of the wideband excitation signal for a bioimpedance measurement**

**Ojarand, Jaan; Rist, Marek; Min, Mart** 2015 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2015) : May 11-14, 2015, Pisa, Italy : proceedings 2015 / p. 1801-1806 : ill <https://doi.org/10.1109/I2MTC.2015.7151554> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Enhanced situational awareness for AUV's stochastic model by multirate neural control**

**Astrov, Igor; Pedai, Andrus** SysCon 2010 Proceedings : 2010 IEEE International Systems Conference (SysCon 2010), San Diego, California, USA, April 5-8, 2010 / p. 66-70 : ill <https://ieeexplore.ieee.org/document/5482465>

### **Enhanced switched impedance inverter with tapped inductor**

**Nozadian, Mohsen Hasan Babayi; Hassanpour, Naser; Khan, Salman** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604411>

### **Enhancing bandgap depth in locally resonant metastructures via notch-filtered piezoelectric actuation**

**Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; Petlenkov, Eduard** 2024 IEEE International Conference on Industrial Technology (ICIT) 2024 <https://doi.org/10.1109/ICIT58233.2024.10540976> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Enhancing cerebral palsy gait analysis with 3D computer vision : a dual-camera approach**

**Valla, Elli; Kanter, Gert; Nömm, Sven; Kuusk, Anton Osvald; Maran, Peeter; Seenmaa, Karl Mihkel; Mägi, Killu; Toomela, Aaro** 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT) 2024 / p. 1352-1357 <https://doi.org/10.1109/CoDIT62066.2024.10708137> [Article at Scopus](#)

### **Enhancing employee work engagement through High-performance Work Systems : evidence from an ICT company**

**Kütt, Maria; Terasmaa, Meelike** IEEM 2024 : IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) : Bangkok, Thailand, 15 Dec-18 Dec 2024 / p. 614 - 617 <https://doi.org/10.1109/IEEM62345.2024.10857071> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Enhancing fault resilience of QNNs by selective neuron splitting**

**Ahmadilivani, Mohammad Hasan; Taheri, Mahdi; Raik, Jaan; Daneshtalab, Masoud; Jenihhin, Maksim** 2023 IEEE 5th International Conference on Artificial Intelligence Circuits and Systems (AICAS) 2023 / 5 p. : ill <https://doi.org/10.1109/AICAS57966.2023.10168633>

### **Enhancing fingerprinting-based 5G positioning accuracy with directionally transmitted synchronization signals**

**Müürsepp, Ivo; Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p. <https://doi.org/10.1109/BEC61458.2024.10737987> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Enhancing IoT botnet attack detection in SOC's with an explainable active learning framework**

**Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretin** 2024 IEEE World AI IoT Congress (AlloT) 2024 / p. 265 - 272 <https://doi.org/10.1109/AlloT61789.2024.10578957> [Article at Scopus](#) [Article at WOS](#)

### **Enhancing privacy risk modeling in practice: a case study of an e-justice system**

**Gakh, Valerii; Bahsi, Hayretin; Hoffmann, Thomas; Boyarchuk, Artem; Khramov, Oleksii** IEEE Access 2024 / p. 183851-183874 <https://doi.org/10.1109/ACCESS.2024.3509332>

### **Enhancing requirements engineering in agile methodologies by agent-oriented goal models : two empirical case studies**

**Tenso, Tanel; Norta, Alexander; Rootsi, Hannes; Taveter, Kuldar; Vorontsova, Irina** 2017 IEEE 25th International Requirements Engineering Conference Workshops : proceedings 2017 / p. 268-275 : ill <http://doi.org/10.1109/REW.2017.24>

### **Enhancing situational awareness through multirate control of an autonomous underwater vehicle**

**Astrov, Igor; Pedai, Andrus; Rüstern, Ennu** Proceedings of the 2009 IEEE International Conference on Mechatronics and Automation : August 9-12, Changchun, China 2009 / p. 1184-1189 : ill <https://ieeexplore.ieee.org/document/5246459?reload=true&arnumber=5246459>

### **Enhancing students' activity in electrical engineering through Web and social networks**

**Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu** International Conference Educon 2012 : collaborative learning & new pedagogic

approaches in engineering education : Marrakech - Morocco, 17-20 April 2012 2012 / p. 263-269 : ill

#### **Enriching interactive components with again commands**

Dosch, W.; Meriste, Merik; **Mötus, Leo** Proceedings of the 2007 IEEE International Conference on Electro/Information Technology : Chicago, Illinois, May 17-20, 2007. 1 2007 / p. 200-205

#### **Ensemble of Tensor Train Decomposition and Quantization Methods for Deep Learning Model Compression**

**Ademola, Olutosin Ajibola; Petlenkov, Eduard; Leier, Mairo** 2022 International Joint Conference on Neural Networks (IJCNN) 2022 <https://doi.org/10.1109/IJCNN55064.2022.9892626> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Ensembles of k-nearest neighbors and dimensionality reduction**

Okun, Oleg; **Priisalu, Helen** 2008 IEEE International Joint Conference on Neural Networks. Vols 1-8 2008 / p. 2032-2039 <https://ieeexplore.ieee.org/document/4634077>

#### **Ensuring performance measurement integrity in logistics using blockchain**

**Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott** 2018 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2018) : Singapore, 31 July - 2 August 2018 2018 / p. 256-261 : ill <https://doi.org/10.1109/SOLI.2018.8476737>

#### **Enterprise architecture management in virtual organization**

**Kangilaski, Taivo** IEEE-ICIT 2010 International Conference on Industrial Technology : Viña del Mar, Chile, 14-17 March, 2010 2010 / p. 1032-1037 : ill <https://ieeexplore.ieee.org/document/5472555>

#### **Entropy-constrained polar quantization : theory and an application to audio coding**

**Vafin, Renat;** Kleijn, W.B. 2002 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : May 13-17, 2002 Renaissance Orlando Resort, Orlando, Florida, USA. Volume II 2002 / p. II-1837-II-1840 : ill <https://ieeexplore.ieee.org/document/5744982>

#### **Environment for innovative university research training in the field of digital test**

**Oyeniran, Adebeye Stephen; Ademilua, Tolulope; Kruus, Margus; Ubar, Raimund-Johannes** 2021 30th Annual Conference of the European Association for Education in Electrical and Information Engineering (EAEIE) 2021 <https://doi.org/10.1109/EAEIE50507.2021.9531003>

#### **Environmental and life cycle cost analysis of a synchronous reluctance machine [Online resource]**

**Rassõlkin, Anton;** Orlova, Svetlana; **Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCon.2016.7763127>

#### **Envisioning the future renewable and resilient energy grids – a power grid revolution enabled by renewables, energy storage, and energy electronics**

Peng, Fang Zheng; Liu, Chen-Ching; Li, Yuan; Jain, Akshay Kumar; **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in industrial electronics 2024 / p. 8-26 <https://doi.org/10.1109/JESTIE.2023.3343291>

#### **Equivalent transformations of structurally synthesized BDDs and applications**

**Jürimägi, Lembit; Ubar, Raimund-Johannes; Viies, Vladimir** 2019 8th Mediterranean Conference on Embedded Computing (MECO) 2019 / 6 p. : ill <https://doi.org/10.1109/MECO.2019.8760283>

#### **Error-free simplification of transparent Mamdani systems**

**Riid, Andri;** Saastamoinen, Kalle; **Rüstem, Ennu** 2008 / p. 2-8 - 2-13 <https://ieeexplore.ieee.org/document/4670399>

#### **eSignature in eCourt Systems**

**Ahmed, Rozha Kamal; Lips, Silvia; Draheim, Dirk** Proceedings of the World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2020), London, UK, July 27 – 28, 2020 : Virtual Conference 2020 / p. 352-356 <https://doi.org/10.1109/WorldS450073.2020.9210309>

#### **ESTCube-1 in-orbit experience and lessons learned**

Slavinskis, Andris; Pajusalu, Mihkel; Kuuste, Henri; Ilbis, Erik; Eenmäe, Tõnis; Sunter, Indrek; Laizans, Kaspars; **Ehrpais, Hendrik; Liias, Paul;** Kulu, Erik IEEE aerospace and electronic systems magazine 2015 / art. 7286959, p. 12-22 : ill <https://doi.org/10.1109/MAES.2015.150034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Estimating quality of transmission in a live production network using machine learning**

Müller, Jasper; Fehenberger, Tobias; Patri, Sai Kireet; **Kaeval, Kaida;** Griesser, Helmut; Tikas, Marko; Elbers, Jörg-Peter 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / paper Tu1G.2, 3 p <https://ieeexplore.ieee.org/abstract/document/9489940>

#### **Estimating sparse signals using integrated wideband dictionaries**

**Butsenko, Maksim;** Swärd, Johan; Jakobsson, Andreas IEEE Transactions on Signal Processing 2018 / p. 4170-4181 : ill

### **Estimating sparse signals using integrated wide-band dictionaries**

**Butsenko, Maksim;** Swärd, Johan; Jakobsson, Andreas 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 4426-4430 : ill <https://doi.org/10.1109/ICASSP.2017.7952993> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Estimating the harmonic distortions in a distribution network supplying EV charging load using practical source data - case example**

**Kütt, Lauri;** Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo;** Niitsoo, Jaan 2014 IEEE Power and Energy Society General Meeting : National Harbor, MD, USA, 27-31 July 2014 2014 / [5] p. : ill

### **Estimating UWB positioning integrity based on ranging residuals**

**Tommingas, Mihkel;** Ulp, Sander; Alam, Muhammad Mahtab; **Müürsepp, Ivo;** Laadung, Taavi 2023 24th International Conference on Applied Electromagnetics and Communications (ICECOM) 2023 / 5 p <https://doi.org/10.1109/ICECOM58258.2023.10367954>

### **Estimation of exponential and ZIP load model of aggregated load with distributed generation**

**Leinakse, Madis;** Andreesen, Guido; Tani, Pärtel; **Kilter, Jako** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / p. 1-6 <https://doi.org/10.1109/RTUCON53541.2021.9711702>

### **Estimation of flow turbulence metrics with a lateral line probe and regression**

Chen, Ke; **Tuhtan, Jeffrey Andrew;** **Fuentes-Pérez, Juan Francisco;** **Toming, Gert;** Musall, Mark; Strokina, Nataliya; Kämäräinen, Joni-Kristian; **Kruusmaa, Maarja** IEEE transactions on instrumentation and measurement 2017 / p. 651-660 : ill <https://doi.org/10.1109/TIM.2017.2658278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of peak voltage value and its occurrence timing upon non-sinusoidal supply voltage**

**Daniel, Kamran;** **Kütt, Lauri;** Iqbal, Muhammad Naveed; **Shabbir, Noman;** **Jarkovoi, Marek** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / p. 1-6 <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604412>

### **Estimation of power system inertia from ambient wide area measurements**

**Tuttelberg, Kaur;** **Kilter, Jako;** Wilson, Douglas; Uhlen, Kjetil 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 1 p <https://doi.org/10.1109/PESGM40551.2019.8973822>

### **Estimation of power system inertia from ambient wide area measurements**

**Tuttelberg, Kaur;** **Kilter, Jako;** Wilson, Douglas; Uhlen, Kjetil IEEE transactions on power systems 2018 / p. 7249-7257 <https://doi.org/10.1109/TPWRS.2018.2843381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of removed uremic toxin indoxyl sulphate during hemodialysis by using optical data of the spent dialysate**

**Holmar, Jana;** **Uhlén, Nils Fredrik Arne;** **Ferenets, Rain;** **Lauri, Kai;** **Tanner, Risto;** **Arund, Jürgen;** Luman, Merike; **Fridolin, Ivo** The 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) proceedings 2013 / p. 6707-6710 : ill <https://doi.org/10.1109/EMBC.2013.6611095> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Estonian experience in implementation of incentive type of price regulation [Online resource]**

**Ots, Märt;** **Kisel, Einari;** **Hamburg, Arvi;** **Mere, Tarmo** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763082>

### **Ethical challenges of ICT for the silver economy**

**Butt, Sidra Azmat;** **Draheim, Dirk** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 152-155 : ill <https://doi.org/10.1109/ICEDEG52154.2021.9530895>

### **ETSI SmartBAN architecture: The global vision for smart body area networks**

Hamalainen, Matti; Mucchi, Lorenzo; Girod-Genet, Marc; Paso, Tuomas; Farserotu, John; Tanaka, Hirokazu; Anzai, Daisuke; Pierucci, Laura; **Khan, Rida;** **Alam, Muhammad Mahtab** IEEE Access 2020 / art. 9167215, p. 150611-150625 <https://doi.org/10.1109/ACCESS.2020.3016705> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **EU electricity market design issues and solutions for increased RES penetration**

**Crasta, Cletus J.;** **Agabus, Hannes;** **Palu, Ivo** 2020 17th International Conference on the European Energy Market (EEM 2020) 2020 <https://doi.org/10.1109/EEM49802.2020.9221997>

### **EuroTeQ Project : first impressions and estimates**

**Vodovozov, Valery;** **Lehtla, Madis;** **Raud, Zoja** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / 5 p <https://doi.org/10.1109/RTUCON56726.2022.9978799>

### **EV battery charging converters with wide output DC voltage range**

**Nadeem, Mohammad Mahad; Blinov, Andrei; Vinnikov, Dmitri** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10412960>

### **Evaluating architectural, redundancy, and implementation strategies for radiation hardening of FinFET integrated circuits**

**Pagliarini, Samuel Nascimento;** Benites, Luis; Martins, Mayler; Rech, Paolo; Kastensmidt, Fernanda IEEE transactions on nuclear science 2021 / p. 1045-1053 <https://doi.org/10.1109/TNS.2021.3070643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating model performance through a user-centric explainable framework for probabilistic load forecasting models**

Robin, Rebecca; Heistrene, Leena; **Belikov, Juri;** Baimel, Dmitry; Levron, Yoash 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T) 2024 / p. 427 - 432 <https://doi.org/10.1109/ICPC2T60072.2024.10474692> [Article at Scopus](#)

### **Evaluating NTT/INTT implementation styles for post-quantum cryptography**

**Imran, Malik;** Khan, Safiullah; Khalid, Ayesha; Rafferty, Ciara; Ali Shah, Yasir; Pagliarini, Samuel; Rashid, Muhammad; O'Neill, Maire IEEE Embedded Systems Letters 2024 / p. 485 - 488 <https://doi.org/10.1109/LES.2024.3410516> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating responsibility for voltage unbalance emission in three-phase three-wire networks**

Sayenko, Yuri; Kalyuzhnyi, Dmitry; **Bolgov, Viktor;** Baranenko, Tatiana 12th International Conference and Exhibition on Electrical Power Quality and Utilisation, Cracow, Poland, 14-15 September 2020 : conference proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/EPQU50182.2020.9220312>

### **Evaluating the energy readiness of national building stocks through benchmarking**

**Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek** IEEE Access 2022 / p. 45430-45443 : ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating the Impact of an International Cybersecurity Camp on Participants' Skills, Knowledge, and Collaboration**

Yamin, Muhammad Mudassar; **Lorenz, Birgy** 2025 International Conference on Cybersecurity and AI-Based Systems (Cyber-AI) : Special Issue 2025 / p. 1-10

### **Evaluating time series database management systems for insurance company**

Koschel, Arne; **Astrova, Irina;** Alsleben, Stephan-Tobias; Bellok, Jannis; Meyer, Niklas; Meyer, Sebastian 2022 13th International Conference on Information, Intelligence, Systems and Applications (IISA) : proceedings 2022 / 6 p. : ill <https://doi.org/10.1109/IISA56318.2022.9904360>

### **Evaluation function optimization for the genetic algorithm based tuning of NN-ANARX model structure**

**Nömm, Sven; Vassiljeva, Kristina; Petlenkov, Eduard** WCCI 2012 : IEEE World Congress on Computational Intelligence : June, 10-15, 2012, Brisbane, Australia 2012 / p. 1682-1688 : ill <https://ieeexplore.ieee.org/document/6252599>

### **Evaluation of different high-voltage switch solutions for high-power converters used in rolling stock [Electronic resource]**

**Vinnikov, Dmitri; Laugis, Juhan; Jalakas, Tanel** ISIE08 : 2008 IEEE International Symposium on Industrial Electronics : 30 June - 2 July 2008, Cambridge, United Kingdom 2008 / p. 214-219 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4677124>

### **Evaluation of dual-active bridge converter for DC energy buildings**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Sidorova, Aleksandra; Chub, Andrii; Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227460>

### **Evaluation of GaN HEMTs for high-voltage stage of isolated DC-DC converters**

**Chub, Andrii;** Zdanowski, Mariusz; **Blinov, Andrei; Rabkowski, Jacek** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 375-379 : ill <https://doi.org/10.1109/CPE.2016.7544217>

### **Evaluation of high performance aluminum for microwave filters**

Martin-Iglesias, P.; **Raadik, Taavi;** Teberio, F.; Percasz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186 <https://doi.org/10.1109/MWSYM.2019.8700938> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Evaluation of investments profitability in conventional power generation sector in Estonia**

**Pulkkinen, Svetlana** 2015 12th International Conference on the European Energy Market (EEM) : Lisbon, 19-22 May 2015, Portugal 2015 / [5] p. : ill <http://dx.doi.org/10.1109/EEM.2015.7216768>

### **Evaluation of level-crossing ADCs for event-driven ECG classification**

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev** IEEE Transactions on Biomedical Circuits and Systems 2021 / p. 1129-1139

**Evaluation of losses in three-level neutral-point-clamped and T-type quasi-Z-source inverters with modified carrier based modulation method**

Ruiz-Cortes, M.; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; Gonzalez-Romera, Eva; **Husev, Oleksandr** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 638-643 : ill <https://doi.org/10.1109/CPE.2017.7915247>

**Evaluation of low- and high-voltage GaN transistors in soft-switching DC-DC converter**

**Blinov, Andrei; Kosenko, Roman; Chub, Andrii** 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 544-547 : ill <https://doi.org/10.1109/UKRCON.2017.8100299>

**Evaluation of low power wide area network technologies for smart urban drainage systems**

**Malik, Hassan; Kändler, Nils; Alam, Muhammad Mahtab; Annus, Ivar; Le Moullec, Yannick; Kuusik, Alar** 2018 IEEE : International Conference on Environmental Engineering, March 12-14, 2018 Milan Italy : conference proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/EE1.2018.8385262>

**Evaluation of two-electrode system configurations for forearm arteries bioimpedance measurement**

**Metshein, Margus; Pesti, Ksenija; Lapsa, Didzis; Annus, Paul; Janeliukstis, Rims; Elsts, A.; Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024 / 6 p <https://doi.org/10.1109/I2MTC60896.2024.10561178>

**Event log analysis with the LogCluster tool**

**Vaarandi, Risto; Kont, Markus; Pihelgas, Mauno** 2016 IEEE Military Communications Conference : MILCOM 2016 : Baltimore, MD, USA, November 1-3, 2016 2016 / p. 982-987 <https://doi.org/10.1109/MILCOM.2016.7795458>

**Event-driven ECG classification using an open-source, LC-ADC based non-uniformly sampled dataset**

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; John, Deepu 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISCAS51556.2021.9401333> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Event-driven ECG classification using functional approximation and Chebyshev polynomials**

Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry 2022 IEEE Biomedical Circuits and Systems Conference (BioCAS), 13-15 Oct. 2022 2022 / p. 595-599 <https://doi.org/10.1109/BioCAS54905.2022.9948612>

**Evidential decision theory via partial Markov categories**

**Di Lavore, Elena; Roman Garcia, Mario** 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS) : Boston, MA, USA : 26-29 June 2023 2023 / 14 p. : ill <https://doi.org/10.1109/LICS56636.2023.10175776> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**EV-Permanent magnet synchronous motor control strategy evaluation based on digital twin concept**

**Mohamed, Mahmoud Ibrahim Hassanin; Rjabtšikov, Viktor** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227410>

**EV-powertrain test bench for digital twin development**

**Rjabtšikov, Viktor; Mohamed, Mahmoud Ibrahim Hassanin; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 559-563 : ill <https://doi.org/10.1109/PEMC51159.2022.9962879>

**An EV-traction inverter data-driven modelling for digital twin development**

**Ibrahim, Akram Abdalla Mohammed; Raja, Hadi Ashraf; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants** 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 5 p. : ill <https://doi.org/10.1109/EPE58302.2023.10149230>

**Examining the performance of the sentinel-3 coastal altimetry in the Baltic Sea using a regional high-resolution Geoid model**

Birgiel, Elzbieta; **Ellmann, Artur; Delpeche-Ellmann, Nicole Camille** 2018 Baltic Geodetic Congress : BGC Geomatics, Olsztyn, Poland, 21-23 June, 2018 : proceedings 2018 / p. 196-201 : ill <https://doi.org/10.1109/BGC-Geomatics.2018.00043>

**Exchanging situational information in embedded networks**

**Preden, Jürjo-Sören; Pahtma, Raido** Proceedings of International Conference on Adaptive Science & Technology : ICASST 2009 : Accra, Ghana, 14-16 December 2009 2009 / ? p <https://ieeexplore.ieee.org/document/5409713>

**An exhaustive multi-aspect analysis of swarm intelligence algorithms in numerical association rule mining**

**Kaushik, Minakshi; Sharma, Rahul; Koiva, Pilleriin; Fister, Iztok; Draheim, Dirk** IEEE Access 2024 / p. 138985 - 139002 <https://doi.org/10.1109/ACCESS.2024.3417334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Existence of the Yule-Simpson effect : an experiment with continuous data**

**Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo; Shahin, Mahtab;** Vidyarthi, Ankit; **Draheim, Dirk** Proceedings of the Confluence 2022 : 12th International Conference on Cloud Computing, Data Science & Engineering, 27-28 January 2022 : Virtual 2022 / p. 351-355 <https://doi.org/10.1109/Confluence52989.2022.9734211>

### **Experience in increase of practical hours for HDL course**

**Reinsalu, Uljana; Ellervee, Peeter** 2011 International Conference on Microelectronic Systems Education (MSE '11), 5-6 June 2011, San Diego, California 2011 / p. 102-105 <https://ieeexplore.ieee.org/document/5937104>

### **Experiences with dynamic PMU compliance testing using standard relay testing equipment [Electronic resource]**

**Kilter, Jako; Palu, Ivo;** Almas, Muhammad Shoaib; Vanfretti, Luigi 2015 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference (ISGT 2015) : 18-20 February 2015, Washington, DC, USA 2015 / [5] p. : ill. [USB] <http://dx.doi.org/10.1109/ISGT.2015.7131833>

### **Experimental Characterization of Connectivity for ProSe Direct Discovery in Emergency Scenarios for 6G**

**Masood, Ali; Alam, Muhammad Mahtab; Le Moullec, Yannick** 2023 IEEE Wireless Communications and Networking Conference (WCNC) 2023 / p. 1-6 <https://doi.org/10.1109/WCNC55385.2023.10118649>

### **Experimental characterization of ProSe direct discovery for emergency scenarios**

**Masood, Ali; Le Moullec, Yannick; Alam, Muhammad Mahtab** 2021 IEEE 7th World Forum on Internet of Things (WF-IoT), 14 June 2021 - 31 July 2021, New Orleans, LA, USA : proceedings 2021 / p. 891-896 <https://doi.org/10.1109/WF-IoT51360.2021.9595305>

### **Experimental demonstration of ML-based DWDM system margin estimation**

Müller, Jasper; Slyne, Frank; **Kaeval, Kaida;** Troia, Sebastian; Fehenberger, Tobias; Elbers, Jörg-Peter; Kilper, Daniel C.; Ruffini, Marco; Mas-Machuca, Carmen Optical Fiber Communications Conference and Exhibition, OFC 2023 : Proceedings 2023 / paper Tu2F.2., 3 p. : ill <https://opg.optica.org/abstract.cfm?URI=OFC-2023-Tu2F.2>

### **Experimental determination of equivalent circuit parameters for a synchronous generator**

**Naseer, Muhammad Usman; Asad, Bilal; Ghahfarokhi, Payam Shams; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton** 2021 IEEE Open Conference of Electrical, Electronic and Information Sciences (eStream): proceedings of the conference, April 22, 2021, Vilnius, Lithuania 2021 / 7 p. : ill <https://doi.org/10.1109/eStream53087.2021.9431442>

### **Experimental efficiency and thermal parameters evaluation in Full-SiC Quasi-Z-Source inverter**

**Pimentel, Sergio Pires; Husev, Oleksandr; Vinnikov, Dmitri; Pires Pimentel, Sergio;** Prystupa, Anatoliy 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982288>

### **Experimental Investigation of high frequency 3L-NPC qZS inverter for photovoltaic application**

**Husev, Oleksandr; Stepenko, Serhii;** Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Strzelecki, Ryszard Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5969-5974 : ill <https://doi.org/10.1109/IECON.2013.6700114> [Conference Proceedings at Scopus Article at Scopus](#)

### **Experimental investigation of high viscosity on oil spray cooling system with hairpin winding**

**Ghahfarokhi, Payam Shams; Kallaste, Ants;** Podgornovs, Andrejs; Cardoso, Antonio J. Marques; **Vaimann, Toomas; Sarap, Martin; Rjabtšikov, Viktor** 2023 IEEE 14th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives (SDEMPED) 2023 / p. 234-238 <https://doi.org/10.1109/SDEMPED54949.2023.10271484>

### **Experimental performance validation of Z-source DC circuit breaker for high impedance faults**

Pogulaguntla, Aditya; Naik Banavath, Satish; **Chub, Andrii; Vinnikov, Dmitri;** Singh, Rajendra 2024 IEEE Sixth International Conference on DC Microgrids (ICDCM) 2024 / 5 p <https://doi.org/10.1109/ICDCM60322.2024.10664702>

### **Experimental prototype of high-efficiency wind turbine based on Magnus effect**

**Lukin, Aleksandr; Demidova, Galina; Lukichev, Dmitry; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar** 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 6 p <https://doi.org/10.1109/IWED48848.2020.9069565>

### **Experimental setup to explore the propulsion motor drive testing for battery electric vehicles**

**Rassõlkin, Anton; Müür, Margus** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 63-67 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095952>

### **Experimental study of high step-up quasi-Z-source DC-DC converter with synchronous rectification**

**Liivik, Liisa; Chub, Andrii; Vinnikov, Dmitri; Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 409-414 : ill <http://dx.doi.org/10.1109/CPE.2015.7231110>

### **Experimental study of new integrated DC/DC converter for hydrogen-based energy storage**

**Vinnikov, Dmitri; Andrijanoviš, Anna; Roasto, Indrek; Jalakas, Tanel** 2011 10th International Conference on Environment and Electrical Engineering (EEEIC), 8-11 May 2011, Rome, Italy : conference proceedings 2011 / [4 p.] : ill  
<https://ieeexplore.ieee.org/document/5874667>

### **Experimental study of shoot-through control methods for qZSI-based DC/DC converters [Electronic resource]**

**Roasto, Indrek; Vinnikov, Dmitri; Jalakas, Tanel; Zakis, Janis; Ott, Silver** SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 : proceedings 2010 / p. 29-34 : [CD-ROM]  
<https://ieeexplore.ieee.org/document/5542046>

### **Experimental validation and field trials of 5G cross-border connectivity**

**Elgarhy, Osama Mohamed Mostafa; Kulmar, Marika; Roosipuu, Priit; Rohtla, Margus; Le Moullec, Yannick; Kõrbe Kaare, Kati; Sadam, Arvi; Scholliers, Johan; Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2024 / p. 57-62  
<https://doi.org/10.1109/FNWF63303.2024.11028794>

### **Experimental verification of a two-stage bidirectional DC/DC converter with separated commutation and asymmetrical structure of current-source stage**

**Ivakhno, Volodymyr; Zamaruev, Volodymyr; Styslo, Bogdan; Blinov, Andrei** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 369-374 : ill <https://doi.org/10.1109/UKRCON.2019.8879821>

### **Experimental verification of DC/DC converter with full-bridge active rectifier**

**Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Vladimir; Vinnikov, Dmitri; Husev, Oleksandr** IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5179-5184 : ill  
<https://ieeexplore.ieee.org/document/6389549>

### **Experimental verification of light electric vehicle charger multiport topology**

**Jalakas, Tanel; Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 415-418 : ill  
<http://dx.doi.org/10.1109/CPE.2015.7231111>

### **Experimental verification of two-stage power converter with current-fed soft-switching front-end for battery storage applications**

**Kosenko, Roman; Blinov, Andrei; Korkh, Oleksandr** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1599-1608 : ill <https://ieeexplore.ieee.org/document/8515580>

### **Experimentally adjusted modelling and simulation technique for a catamaran autonomous surface vessel**

**Astrov, Igor; Udal, Andres; Mölder, Heigo; Jalakas, Tanel; Möller, Taavi** International Conference on Electrical, Computer, and Energy Technologies, ICECET 2022, Prague, Czech Republic, July 20-22, 2022 2022 / 7 p. : ill  
<https://doi.org/10.1109/ICECET55527.2022.9873069>

### **Expert knowledge elicitation for skill level categorization of attack paths**

**Mežšova, Terezia; Bahsi, Hayretdin** 2019 International Conference on Cyber Security and Protection of Digital Services (Cyber Security) 2019 / 8 p. : tab <https://doi.org/10.1109/CyberSecPODS.2019.8885192>

### **Expert knowledge elicitation for skill level categorization of attack paths**

**Mežšova, Terezia; Bahsi, Hayretdin** Cyber science 2018 : conference programme 2018 / p. 29 <https://www.c-mric.com/wp-content/uploads/2018/04/20180611-Cyber-Science-2018-Event-Brochure-DRAFT-v0.6.pdf>

### **Explainable federated learning for Botnet Detection in IoT networks**

**Kalakoti, Rajesh; Bahsi, Hayretdin; Nömm, Sven** Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience (CSR), September 2-4, 2024, London, UK 2024 / p. 22-29 <https://doi.org/10.1109/CSR61664.2024.10679348> [Article at Scopus](#) [Article at WOS](#)

### **Exploiting data transfer locality in memory mapping**

**Ellervee, Peeter; Miranda, Miguel; Catthoor, Francky; Hemani, Ahmed** 25th EUROMICRO conference : Informatics : Theory and Practice for the New Millennium : Milan, Italy, September 8-10, 1999 : proceedings. Volume I 1999 / p. 14-21 : ill  
<https://ieeexplore.ieee.org/document/793132>

### **Exploiting high-level descriptions for circuits fault tolerance assessments**

**Benso, A.; Prinetto, Paolo; Rebaudengo, M.; Sonza Reorda, Matteo; Raik, Jaan; Ubar, Raimund-Johannes** 1997 IEEE International Symposium on Defect and Fault Tolerance in VLSI Systems, Paris, October 20-22, 1997 1997 / p. 212-216  
<https://ieeexplore.ieee.org/document/628327>

### **Exploiting time and frequency masking in consistent sinusoidal analysis-synthesis**

**Vafin, Renat; Vang Andersen, Soren; Kleijn, W. Bastiaan** 2000 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 5-9 June, 2000, Hilton Hotel and Convention Center, Istanbul, Turkey. Vol. 2 2000 / p. 901-904 : ill

### Exploration of Activation Fault Reliability in Quantized Systolic Array-Based DNN Accelerators

**Taheri, Mahdi; Cherezova, Natalia;** Ansari, Mohammad Saeed; **Jenihhin, Maksim;** Mahani, Ali; **Daneshtalab, Masoud;** **Raik, Jaan** 25th International Symposium on Quality Electronic Design (ISQED) 2025 / 8 p. : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10528372>

### Exploratory data analysis for demand-side flexibility quantification

**Shahid, Arqum; Ahmadihangar, Roya; Rosin, Argo; Maask, Vahur; Martins, João F.** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227408>

### Exploring deep learning based object detection architecture

Saddique, Muhammad Saddique; Raza, Ahsan; **Abideen, Zain Ul;** Khan, Shah Nawaz 2020 17th International Bhurban Conference on Applied Sciences and Technology (IBCAST), Islamabad, Pakistan, 2020 2020 / p. 255-259 <https://doi.org/10.1109/IBCAST47879.2020.9044558>

### Exploring sea surface heights by using airborne laser scanning

**Julge, Kalev; Gruno, Anti; Ellmann, Artu;** Liibus, Aive; Oja, Tõnis 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [7] p. : ill

### Exploring service margins for optical spectrum services

**Kaeval, Kaida;** Slyne, Frank; Troia, Sebastian; Kenny, Eoin; Pedreno-Manresa, Jose-Juan; Patri, Sai Kireet; Grobe, Klaus; Kilper, Daniel C.; Ruffini, Marco; **Jervan, Gert** Proceedings European Conference on Optical Communication (ECOC 2022), 18-22 September 2022, Basel, Switzerland 2022 / art. Mo3B.4, 4 p <https://opg.optica.org/abstract.cfm?uri=ECEOC-2022-Mo3B.4>

### Exploring the real-world challenges and efficacy of internal coupling in metastructures : an experimental perspective

**Alimohammadi, Hossein; Vassiljeva, Kristina;** Hosseinnia, S. Hassan; **Ellervee, Peeter; Petlenkov, Eduard** 2024 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2024 <https://doi.org/10.1109/ICECET61485.2024.10698725> [Article at Scopus](#)

### Expression microarray data classification using counting grids and fisher kernel

Perina, Alessandro; **Kesa, Maria;** Bicego, Manuele 22nd International Conference on Pattern Recognition, ICPR 2014, 24–28 August 2014 Stockholm, Sweden : Proceedings 2014 / art. 6977022, 6 p.: ill <https://doi.org/10.1109/ICPR.2014.311> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### An Extended flatness-based controller for permanent magnet synchronous machines incorporating an event-based mechanism

**Belikov, Juri; Kaldmäe, Arvo;** Levron, Yoash 2019 27th Mediterranean Conference on Control and Automation (MED) 2019 / p. 416-421 : ill <https://doi.org/10.1109/MED.2019.8798551>

### Extended observer form for nonlinear system with disturbances : Algorithm and application

**Kaparin, Vadim;** Simha, Ashutosh; Chowdhury, Nilanjan Roy; **Kotta, Ülle;** Levron, Yoash; **Belikov, Juri** 2024 18th International Conference on Control, Automation, Robotics and Vision (ICARCV) 2024 <https://doi.org/10.1109/ICARCV63323.2024.10821609>

### Extended observer forms for submersive discrete-time systems

Simha, Ashutosh; **Kaparin, Vadim; Mullari, Tanel; Kotta, Ülle** IEEE Transactions on Automatic Control 2023 / p. 2684 - 2688 <https://doi.org/10.1109/TAC.2023.3336253> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems

**Carvalho da Silva, Edivan Laercio;** Cardoso, Rafael; Felipe, Carla Aparecida; Stein, Carlos Marcelo De Oliveira; Bellinaso, Lucas Vizzotto; Michels, Leandro; **Vinnikov, Dmitri** IEEE Access 2023 / p. 119231-119243 <https://doi.org/10.1109/ACCESS.2023.3327219> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Extended triple store used in recommender system

**Luberg, Ago; Tammet, Tanel; Järv, Priit** 22nd International Workshop on Database and Expert Systems Applications (DEXA) : Toulouse, France, 29 August - 2 September 2011 2011 / p. 539-543 <https://ieeexplore.ieee.org/document/6059873>

### Extensible open-source framework for translating RTL VHDL IP cores to SystemC

**Saif Abrar, Syed; Jenihhin, Maksim; Raik, Jaan** Proceedings of the 2013 IEEE 16th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 8-10, 2013, Karlovy Vary, Czech Republic 2013 / p. 112-115

### FaCT-LSTM : fast and compact ternary architecture for LSTM recurrent neural networks

Mirsalari, Seyed Ahmad; Nazari, Najmeh; Sinaei, Sima; Salehi, Mostafa E.; **Daneshtalab, Masoud** IEEE design & test 2022 / p. 45-53 <https://doi.org/10.1109/MDAT.2021.3070245>

### Fair and individualized project teamwork evaluation for an engineering course

**Robal, Tarmo** EAEEIE 2018 : 28th EAEEIE Annual Conference (EAEEIE), September 26th to 28th, 2018 2018 / 9 p. : ill <http://doi.org/10.1109/EAEEIE.2018.8534256>

---

### **Fall detection and activity recognition system for usage in smart work-wear [Online resource]**

**Leier, Mairo; Jervan, Gert; Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600959>

### **A family of bidirectional solid-state circuit breakers with increased safety in DC microgrids**

**Rahimpour, Saeed; Husev, Oleksandr; Vinnikov, Dmitri** IEEE transactions on industrial electronics 2023 / p. 10919-10929 <https://doi.org/10.1109/TIE.2023.3337493>

### **Fast and fair computation offloading management in a swarm of drones using a rating-based federated learning approach**

**Rahbari, Dadmehr; Alam, Muhammad Mahtab; Le Moullec, Yannick; Jenihhin, Maksim** IEEE Access 2021 / p. 113832-113849 <https://doi.org/10.1109/ACCESS.2021.3104117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A fast current harmonic detection and mitigation strategy for shunt active filter**

**Firouzjah, Khalil Gorgani; Ahmadihangar, Roya; Rosin, Argo; Häring, Tobias** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/PQ.2019.8818253>

### **Fast fault simulation for extended class of faults in scan-path circuits**

**Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan; Jutman, Artur** Proceedings : Fifth IEEE International Symposium on Electronic Design, Test and Applications : DELTA 2010 : 13-15 January 2010, Ho Chi Minh City, Vietnam 2010 / p. 14-19 <https://ieeexplore.ieee.org/document/5438717>

### **Fast path-oriented strategy for power system restoration**

**Liang, Bomiao; Xu, Yan; Wen, Fushuan; Palu, Ivo; Liu, Weijia; Shan, Huiyu** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p <https://doi.org/10.1109/PQ.2019.8818244>

### **Fast precise eddy current measurement of metals**

**Märtens, Olev; Land, Raul; Min, Mart; Rist, Marek; Annus, Paul; Pokatilov, Andrei** 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/I2MTC.2018.8409781>

### **Fast RTL fault simulation using decision diagrams and bitwise set operations**

**Reinsalu, Uljana; Raik, Jaan; Ubar, Raimund-Johannes; Ellervee, Peeter** 2011 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) : 3-5 October 2011, Vancouver, Canada 2011 / p. 164-170 <https://ieeexplore.ieee.org/document/6104440>

### **Fast static compaction of tests composed of independent sequences : basic properties and comparison of methods**

**Raik, Jaan; Jutman, Artur; Ubar, Raimund-Johannes** The 9th IEEE International Conference on Electronics, Circuits and Systems : ICECS 2002 : September 15-18, 2002, Dubrovnik, Croatia. Volume II 2002 / p. 445-448 : ill <http://dx.doi.org/10.1109/ICECS.2002.1046190> <https://ieeexplore.ieee.org/document/1046190>

### **Fasten your seatbelts, turbulence ahead : environmental turbulence as a determinant of absorptive capacity**

**Stulova, Valeria; Rungi, Mait** IEEM 2014 : 2014 IEEE International Conference on Industrial Engineering and Engineering Management : 9-12 December, 2014, Malaysia 2014 / p. 1091-1095 : ill

### **FastStereoNet : A fast neural architecture search for improving the inference of disparity estimation on resource-limited platforms**

**Loni, Mohammad; Zoljodi, Ali; Majd, Amin; Ahn, Byung Hoon; Daneshtalab, Masoud; Sjödin, Mikael; Esmaeilzadeh, Hadi** IEEE Transactions on Systems, Man, and Cybernetics : Systems 2022 / p. 5222-5234 : ill <https://doi.org/10.1109/TSMC.2021.3123136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fault analysis and field experiences of central inverter based 2 MW PV plant**

**Dumnic, Boris; Liivik, Elizaveta; Milicevic, Dragan** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2281-2290 : ill <https://ieeexplore.ieee.org/document/8515423>

### **Fault collapsing with linear complexity in digital circuits**

**Ubar, Raimund-Johannes; Mironov, Dmitri; Raik, Jaan; Jutman, Artur** Proceedings of 2010 IEEE International Symposium on Circuits and Systems (ISCAS 2010) : 30 May - 2 June 2010, Paris, France 2010 / p. 653-656 : ill <https://ieeexplore.ieee.org/document/5537504>

### **Fault detection and protection system for the power converters with high-voltage IGBTs [Electronic resource]**

**Vinnikov, Dmitri; Roasto, Indrek; Lehtla, Tõnu** ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : August 31 - September 3, 2008, Malta 2008 / p. 922-925 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4675005>

### **Fault diagnosis of output-side diode-bridge in isolated DC-DC series resonant converter**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 <https://doi.org/10.1109/ENERGYCON53164.2022.9830339>

### **Fault diagnosis of the tooth belt transmission of Cartesian robot**

**Autso, Sjarhei; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Kudelina, Karolina;** Huynh, Van Khang 2022 29th International Workshop on Electric Drives : Advances in Power Electronics for Electric Drives : IWED2022 : Moscow Power Engineering Institute, Moscow, Russia : 26th– 29th of January 2022 : Proceedings 2022 / 6 p  
<https://doi.org/10.1109/IWED54598.2022.9722578>

### **Fault diagnosis system of Cartesian robot for various belt tension**

**Autso, Sjarhei; Vaimann, Toomas; Rassõlkin, Anton; Kudelina, Karolina** 2022 International Conference on Diagnostics in Electrical Engineering (Diagnostics) 2022 / 4 | <https://doi.org/10.1109/Diagnostics55131.2022.9905111>

### **Fault management instrumentation network based on IEEE P1687 IJTAG**

**Shibin, Konstantin; Jutman, Artur; Devadze, Sergei** European Test Symposium (ETS), 2013, Avignon, France 2013

### **Fault management techniques to enhance the reliability of power electronic converters : an overview**

**Rahimpour, Saeed; Husev, Oleksandr; Vinnikov, Dmitri;** Vosoughi Kurdkandi, Naser; Tarzamni, Hadi IEEE Access 2023 / p. 13432-13446 <https://doi.org/10.1109/ACCESS.2023.3242918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fault simulation and analysis of high-voltage circuit breaker's spring charging mechanism using a universal motor model**

**Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Kilter, Jako; Sardar, Muhammad Usman** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p  
<https://doi.org/10.1109/RTUCON62997.2024.10830846>

### **Fault simulation with parallel exact critical path tracing in multiple core environment**

**Gorev, Maksim; Ubar, Raimund-Johannes; Devadze, Sergei** 2015 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2015 / p. 1180-1185 : ill

### **Fault tolerant control of a grid-connected microgrid with high penetration of renewable energy**

Senanayaka, Jagath; Khang, Huynh Van; **Vaimann, Toomas; Rassõlkin, Anton** 24th International Conference on Electrical Machines and Systems (ICEMS) 2021 / p. 938-943 <https://doi.org/10.23919/ICEMS52562.2021.9634364>

### **Fault-aware performance assessment approach for embedded networks**

Malburg, Jan; **Janson, Karl; Raik, Jaan;** Dannemann, Frank 2019 22nd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS), Cluj-Napoca, Romania : proceedings 2019 / 4 p. : ill  
<https://doi.org/10.1109/DDECS.2019.8724670>

### **Fault-resilient NoC router with transparent resource allocation**

**Putkaradze, Tsotne; Azad, Siavoosh Payandeh; Niazmand, Behrad; Raik, Jaan; Jervan, Gert** 12th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC2017), July 12-14, 2017, Madrid, Spain : proceedings 2017 / 8 p. : ill <https://doi.org/10.1109/ReCoSoC.2017.8016161> <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8016161>

### **Fault-tolerant approach for photovoltaic module-level power electronic applications**

**Vinnikov, Dmitri; Chub, Andrii; Korkh, Oleksandr;** Malinowski, Mariusz 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 438-444 : ill <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161599>

### **Fault-tolerant bidirectional series resonant DC-DC converter with minimum number of components**

**Vinnikov, Dmitri; Chub, Andrii; Korkh, Oleksandr;** Malinowski, Mariusz 2019 IEEE Energy Conversion Congress and Exposition, ECCE, 2019-09-29 - 2019-10-03, Baltimore, MD, USA 2019 / p. 1359–1363 <https://doi.org/10.1109/ECCE.2019.8912292>

### **Fault-tolerant control of a grid-connected bipolar DC microgrid with high penetration of intermittent renewable energy**

Senanayaka, Jagath; Khang, Huynh Van; **Rassõlkin, Anton; Vaimann, Toomas;** Zakis, Janis; Pomamacki, Raimondas IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6  
<https://doi.org/10.1109/IECON49645.2022.9968572> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Fault-tolerant soft-switching current-fed DC-DC converter**

**Zinchenko, Denys; Kosenko, Roman; Blinov, Andrei; Vinnikov, Dmitri** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 437-440 : ill <https://doi.org/10.1109/UKRCON.2019.8879973>

### **FCS-model predictive control of a quadratic buck converter for more efficient data centers**

Azadi, Shirin; Flores-Bahamonde, Freddy; Alireza Davari, S.; Torres-Pinzon, C. A.; **Chub, Andrii;** Rodriguez, Jose 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p  
<https://doi.org/10.1109/CPE-POWERENG58103.2023.10227387>

### **A feasibility analysis of decentralized solar power using RETScreen in Odisha**

**Mishra, Sambheet;** Tripathy, Pratyasha; Ali, Sayed Majid 2015 International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) : Visakhapatnam, India, 24-25 January 2015 / [6] p. : ill <https://doi.org/10.1109/EESCO.2015.7253739>

### **Feasibility of utilizing air gapped toroidal magnetic cores for detecting pulse wave in radial artery**

**Metshein, Margus; Pesti, Ksenija; Min, Mart; Annus, Paul; Märten, Olev** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 5 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277197>

### **Feasibility study of a DC house connected to a conventional AC distribution network**

**Hokmabad, Hossein Nouroollahi; Shabir, Noman; Astapov, Victor; Petlenkov, Eduard; Husev, Oleksandr; Belikov, Juri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604419>

### **Feasibility study of cascading of full soft-switching current-fed naturally clamped DC-DC converters**

**Kosenko, Roman; Chub, Andrii; Blinov, Andrei** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 384-389 : ill <https://doi.org/10.1109/CPE.2016.7544219>

### **Feasibility study of energy supply in deep North Regions: the case study of Yakutia remote community (Russia)**

Trashchenkov, Sergei; **Astapov, Victor; Kull, Karl** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/PQ.2019.8818238>

### **Feasibility study of interleaving approach for buck-boost inverter with unfolding circuit**

Fesenko, Artem; **Matiushkin, Oleksandr; Husev, Oleksandr;** Khandakji, Kamal; Velihorskyi, Oleksandr 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 415-419 : ill <https://doi.org/10.1109/UKRCON.2019.8879966>

### **Feasibility study of model predictive control for grid-connected twisted buck-boost inverter**

**Matiushkin, Oleksandr; Husev, Oleksandr;** Rodriguez, Jose; Young, Hector; **Roasto, Indrek** IEEE transactions on industrial electronics 2022 / p. 2488-2499 <https://doi.org/10.1109/TIE.2021.3068663> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Feasibility study of Si and SiC MOSFETs in high-gain DC/DC converter for renewable energy applications**

**Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Rang, Toomas** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5975-5978 : ill <https://doi.org/10.1109/IECON.2013.6700115> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Feasibility Study of Snow Removal from PV Module Using Universal Power Electronic Interface**

**Chauhan, Sachin; Chub, Andrii; Hasan, Sayeed; Lavrov, Artur; Kurnitski, Jarek; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p

### **Feasibility study of three-phase modular converter for dual-purpose application in DC and AC microgrids**

Roncero-Clemente, Carlos; **Husev, Oleksandr; Matiushkin, Oleksandr;** Gutierrez-Escalona, Javier; Barrero-Gonzalez, Fermin; **Vinnikov, Dmitri;** Strzelecki, Ryszard IEEE journal of emerging and selected topics in power electronics 2024 / p. 1348-1358 <https://doi.org/10.1109/JESTPE.2023.3247960>

### **Feasibility study of universal power electronics interface operation in 350 V and 700 V residential DC microgrids**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227441>

### **Feature article: Firmware updating systems for nanosatellites**

Sünter, Indrek; Slavinskis, Andris; Kvell, Urmas; **Vahter, Andres;** Kuuste, Henri; Noorma, Mart; Kutt, Johan; Vendt, Riho; Tarbe, Karl; Pajusalu, Mihkel; Veske, Mihkel; Ilves, Taavi IEEE Aerospace and Electronic Systems Magazine 2016 / p. 36 - 44 <https://doi.org/10.1109/MAES.2016.150162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Feature engineering for short-term forecast of energy consumption**

**Spitšakova, Margarita; Belikov, Juri; Nõu, Kalvi; Petlenkov, Eduard** Proceedings of 2019 IEEE PES : Innovative Smart Grid Technologies Europe : (ISGT-Europe), Bucharest Romania, 29 September - 2 October, 2019 2019 / 5 p. : ill <https://doi.org/10.1109/ISGTEurope.2019.8905698>

### **Feature engineering of Weather Data for Short-Term Energy Consumption Forecast**

**Sinimaa, Maria; Spitšakova, Margarita; Belikov, Juri; Petlenkov, Eduard** 2021 IEEE Madrid PowerTech 2021 / 6 p. <https://doi.org/10.1109/PowerTech46648.2021.9494920>

### **The FEM based modeling and corresponding test rig preparation for broken rotor bars analysis**

**Asad, Bilal; Eensalu, Lauri; Vaimann, Toomas; Kallaste, Ants; Rassõlkin, Anton; Belahcen, Anouar** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 9 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982350>

### **FESDA : fog-enabled secure data aggregation in smart grid IoT network**

**Saleem, Ahsan; Khan, Abid; Malik, Saif Ur Rehman; Pervaiz, Haris; Malik, Hassan; Alam, Masoom; Jindal, Anish** IEEE Internet of Things Journal 2020 / p. 6132-6142 <https://doi.org/10.1109/IJOT.2019.2957314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fiducial point estimation solution for impedance cardiography measurements**

**Märtens, Olev; Metshein, Margus; Abdullayev, Anar; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; Saeed, Maryam; John, Deepu; Cardiff, Barry; Krivošei, Andrei; Annus, Paul; Rist, Marek** 2022 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) 2022 / Code 180602 <https://doi.org/10.1109/I2MTC48687.2022.9806596> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **FILOSE for svenning : a flow sensing bioinspired robot**

**EL Daou, Hadi; Ježov, Jaas; Jung, David S.; Kruusmaa, Maarja; Listak, Madis; Salumäe, Taavi; Toming, Gert** IEEE robotics and automation magazine 2014 / p. 51-62 : ill <https://doi.org/10.1109/MRA.2014.2322287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Financial and strategic impact of VCs on start-up development : Silicon Valley decacorns vs. Northern-European experience**

**Rungi, Mait; Saks, Egon; Tuisk, Kristiina** 2016 IEEE International Conference on Industrial Engineering and Engineering Management : IEEM2016 : 4-7 December 2016, Bali, Indonesia 2016 / p. 452-456 : tab <https://doi.org/10.1109/IEEM.2016.7797916>

### **Findings from cluster analysis of logistics undergraduate curricula in Europe**

**Niine, Tarvo; Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 231-238 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095976>

### **A first experimental study of fixed-point approximate arithmetic in recursive lattice filters**

**Koch, Peter; Le Moulec, Yannick** 2023 IEEE Nordic Circuits and Systems Conference (NorCAS) 2023 / 6 p. : ill <https://doi.org/10.1109/NorCAS58970.2023.10305450>

### **First-year dropout in ICT studies**

**Kori, Külli; Pedaste, Margus; Sell, Raivo; Murtazin, Kristina; Rüttemann, Tiia** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 437-445 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7096008>

### **5G testbed implementation and measurement campaign for ground and aerial coverage**

**Fjodorov, Aleksei; Masood, Ali; Alam, Muhammad Mahtab; Päränd, Sven** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. <https://doi.org/10.1109/BEC56180.2022.9935602>

### **Five-Stage, Power Efficient, Dual Rail, 100MHz, 10dB Programmable Gain Amplifier with Down-Stepping Functions in 28nm CMOS**

**Kampus, Vahur; Teschner, Robert; Gaier, Ulrich; Linder, Thomas; Nössing, Gerhard; Trojer, Martin** IEEE International Symposium on Circuits and Systems (ISCAS), Sapporo, Japan, 26-29 May 2019 : proceedings 2019 / p. 1-5 <https://doi.org/10.1109/ISCAS.2019.8702077>

### **Fixed order stabilizing controller design via random reflection segments**

**Nurges, Ülo; Avanessov, Sergei** The 12th International Conference on Control, Automation, Robotics and Vision, ICARCV 2012 : 5-7 December, 2012, Guangzhou, China : [proceedings] 2012 / p. 530-535 : ill <https://ieeexplore.ieee.org/document/5983069/similar#similar>

### **A flapped paddle-fin for improving underwater propulsive efficiency of oscillatory actuation**

**Simha, Ashutosh; Gkliva, Roza; Kotta, Ülle; Kruusmaa, Maarja** IEEE robotics and automation letters 2020 / p. 3176-3181 <https://doi.org/10.1109/LRA.2020.2975747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Flexibility enhancement of hybrid microgrids using optimal H<sup>∞</sup> filtering-based fuzzy control of UIPC**

**Zolfaghari, Mahdi; Ahmadihangar, Roya; Gharehpetian, Gevork B.; Häring, Tobias; Rosin, Argo** Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 451-455 <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161545>

### **Flexibility investigation of price-responsive batteries in the microgrids cluster**

**Ahmadihangar, Roya; Azizi, Elnaz; Subham, Sahoo; Häring, Tobias; Rosin, Argo; Vinnikov, Dmitri; Dragicevic, Tomislav; Blaabjerg, Frede** Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 456-461 : ill <https://doi.org/10.1109/CPE->

**Flexible controller for educational robot kit**

**Ruberg, Priit; Guitar, Aivar; Ellervee, Peeter** 2015 International Conference on Microelectronic Systems Education : MSE '15 : Pittsburgh, PA, May 20-21, 2015 2015 / p. 17-20 : ill <http://dx.doi.org/10.1109/MSE.2015.7160007>

**Flexible curricula for e-learning of SME staff in electronic engineering**

**Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu** 9th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2010) : August 18-20, 2010, Japan 2010 / p. 384-388 <https://ieeexplore.ieee.org/document/5590514>

**Flexible data acquisition system with custom front-end for ultrasonic NDT research**

**Peng, Chengxiang; Ratassepp, Madis; Annus, Paul; Rist, Marek; Land, Raul; Märtens, Olev** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 4 p <https://doi.org/10.1109/BEC61458.2024.10737989> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A flexible enhanced throughput and reduced overhead (FETRO) MAC protocol for ETSI SmartBAN**

**Khan, Rida; Alam, Muhammad Mahtab;** Guizani, Mohsen IEEE Transactions on Mobile Computing 2022 / p. 2671-2686 : ill <https://doi.org/10.1109/TMC.2020.3047596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Flexible inductive coils for wearable cardiorespiratory activity monitoring [Online resource]**

**Metshein, Margus; Annus, Paul; Min, Mart** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill <https://doi.org/10.1109/BEC.2018.8600990>

**A flexible MATLAB tool for optimal fractional-order PID controller design subject to specifications**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** Proceedings of the 31st Chinese Control Conference : July, 2012, Hefei, China 2012 / p. 4698-4703 : ill [https://www.researchgate.net/publication/259741861\\_A\\_Flexible\\_MATLAB\\_Tool\\_for\\_Optimal\\_Fractional-order\\_PID\\_Controller\\_Design\\_Subject\\_to\\_Specifications](https://www.researchgate.net/publication/259741861_A_Flexible_MATLAB_Tool_for_Optimal_Fractional-order_PID_Controller_Design_Subject_to_Specifications)

**FlockHeadz: virtual flock in a room used as a controller**

**Lints, Taivo** IEEE Swarm Intelligence Symposium 2008 (SIS2008) : 21-23 September 2008, St.Louis, MO, USA 2008 / ? p <https://ieeexplore.ieee.org/document/4668279>

**Flood prevention through condition monitoring of pumping stations**

**Gevorkov, Levon; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982305>

**Flow aided path following of an underwater robot**

**Jung, David S.; Pott, Peter P.; Salumäe, Taavi; Kruusmaa, Maarja** 2013 IEEE International Conference on Robotics and Automation (ICRA) : Karlsruhe, Germany, May 6-10, 2013 2013 / p. 4602-4607 : ill <https://doi.org/10.1109/ICRA.2013.6631231> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Flow feature extraction for underwater robot localization : preliminary results**

**Muhammad, Naveed;** Strokina, Nataliya; **Toming, Gert; Tuhtan, Jeffrey Andrew;** Kämäräinen, Joni-Kristian; **Kruusmaa, Maarja** 2015 IEEE International Conference on Robotics and Automation (ICRA) : Washington State Convention Center, Seattle, Washington, May 26-30, 2015 2015 / p. 1125-1130 : ill <https://doi.org/10.1109/ICRA.2015.7139317> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Fluid dynamics experiments with a passive robot in regular turbulence**

**Toming, Gert; Salumäe, Taavi; Ristolainen, Asko;** Visentin, Francesco; Akanyeti, Otar; **Kruusmaa, Maarja** Proceedings of the 2012 IEEE International Conference on Robotics and Biomimetics : December 11-14, 2012, Guangzhou, China 2012 / p. 532-537 : ill [https://www.researchgate.net/publication/261276529\\_Fluid\\_dynamics\\_experiments\\_with\\_a\\_passive\\_robot\\_in\\_regular\\_turbulence](https://www.researchgate.net/publication/261276529_Fluid_dynamics_experiments_with_a_passive_robot_in_regular_turbulence)

**Flux-weakening control for IPMSM employing model order reduction**

**Far, Mehrnaz Farzam;** Mustafa, Bilal; Martin, Floran; Rasilo, Paavo; **Belahcen, Anouar** 2018 XIII International Conference on Electrical Machines (ICEM 2018) : Alexandroupoli, Greece, 3-6 September 2018 2018 / p. 1510-1516 : ill <http://doi.org/10.1109/ICELMACH.2018.8506693>

**Focusing aspects of delayed time reversal based nonlinear elastic wave spectroscopy methods**

**Lints, Martin;** Dos Santos, Serge; **Salupere, Andrus** 2016 IEEE International Ultrasonics Symposium, IUS : [September 18-21, Tours, France] 2016 / [4] p. : ill <https://doi.org/10.1109/ULTSYM.2016.7728831>

**FOMCON : fractional-order modeling and control toolbox for MATLAB**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** Proceedings of the 18th International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2011 : Gliwice, Poland 16 - 18 June, 2011 2011 / p. 684-689 [https://www.researchgate.net/publication/259741855\\_FOMCON\\_a\\_MATLAB\\_toolbox\\_for\\_fractional-order\\_system\\_identification\\_and\\_control](https://www.researchgate.net/publication/259741855_FOMCON_a_MATLAB_toolbox_for_fractional-order_system_identification_and_control)

**FOMCONpy: Fractional-order modelling and control library for python**

**Onyedi, Tobechukwu; Tepļakov, Aleksei; Petlenkov, Eduard** 2020 43rd International Conference on Telecommunications and Signal Processing : TSP 2020, Milan, Italy, July 7-9, 2020 2020 / p. 239-245 <http://doi.org/10.1109/TSP49548.2020.9163581>