

## **Aasta insener 2021 Argo Rosin: rohepöore tõstab inseneride palgad edetabelite tippu**

Rosin, Argo Director. Inseneria 2022 / lk. 22-29 : fot [https://www.ester.ee/record=b1519314\\*est](https://www.ester.ee/record=b1519314*est) <https://director.ee/2022/01/28/aasta-insener-2021-argo-rosin-rohepoore-tostab-inseneride-palgad-edetabelite-tippu/>

## **Aasta insener 2024 on Siim Heering**

toostusest.ee 2024 <https://toostusest.ee/uudis/2024/12/16/aasta-insener-2024-on-siim-heering/>  
<https://teadus.postimees.ee/8155510/tanavune-aasta-insener-tegeleb-mehitamata-lennuvahenditega>

## **Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti**

Alvela, Ain postimees.ee 2023 [Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti](#)

## **Aasta tehnikaüliõpilane 2021 on Karolina Kudelina**

Vaimann, Toomas Meie Leht 2021 / lk. 4 [http://narva-joesuu.ee/documents/2032926/30038466/Meie\\_Leht\\_DETSEMBER\\_2021\\_EST.pdf/6812d56d-dce2-4684-87ee-72639332075f](http://narva-joesuu.ee/documents/2032926/30038466/Meie_Leht_DETSEMBER_2021_EST.pdf/6812d56d-dce2-4684-87ee-72639332075f)

## **Aasta tehnikaüliõpilane Brenda Pent: inseneria on naiste ala ja ülipõnev**

Kamps, Mari visionest.institute 2024 [Aasta tehnikaüliõpilane Brenda Pent: inseneria on naiste ala ja ülipõnev](#)

## **ABB YuMi high-speed pick and place game in action**

Zahavi, Ali; Al Afrange, Fadi; Najafi Haeri, Shahriar; Ajeevan, Udith; Chamara Liyanage, Dhanushka Proceedings of the 29th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 24-27th October 2018, Zadar, Croatia 2018 / p. 1216-1221 : ill <https://doi.org/10.2507/29th.daaam.proceedings.176>

## **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](#)

## **AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines**

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Tarraste, Marek; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Ghahfarokhi, Payam Shams Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Accelerated global MPPT for multimode series resonant DC-DC converter**

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri 2021 IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Florence, Italy, 14-16 July 2021 2021 <https://doi.org/10.1109/CPE-POWERENG50821.2021.9501077>

## **Accessible battery model with aging dependency**

Savard, Christophe; Iakovleva, Emiliia; Ivanchenko, Daniil; Rassõlkin, Anton Energies 2021 / art. 3493, 16 p <https://doi.org/10.3390/en14123493> [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; Ahmadiyahangar, Roya; Rosin, Argo; Korõtko, Tarmo; Biechl, Helmut 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>

## **Achieving of Magnus effect with Agros Suite**

Lukin, Aleksandr; Demidova, Galina; Rassõlkin, Anton Periodica polytechnica electrical engineering and computer science 2021 / p. 131-137 : ill <https://doi.org/10.3311/PPee.17743> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Acoustic noise computation of electrical motors using the boundary element method**

Sathyan, Sabin; Aydin, Ugur; Belahcen, Anouar Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Active blended learning engineering students : a case study**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** Education Sciences 2022 / art. 344 <https://doi.org/10.3390/educsci12050344> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Active blended learning of industry 5.0-oriented sustainable power engineering specialists**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** First International Conference on Sustainable Energy Education (SEED 2024) : proceedings 2024 / p. 719-725 <https://doi.org/10.4995/SEED2024.2024.19007>

**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 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 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>

**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>

**Adaptive frequency-based power management for off-grid hybrid photovoltaic converters**

**Gonschorowsk, Ezequiel; Cardoso, Rafael; Carvalho da Silva, Edivan Laercio; Stein, Carlos Marcelo De Oliveira; Carati, Emerson Giovanni; Denardin, Gustavo Weber; da Costa, Jean Patric** Eletronica de potencia 2024 / art. e202440 <https://doi.org/10.18618/REP.e202440>

**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](#)

**ADCS development for student CubeSat satellites - TalTech case study**

**Rassõlkin, Anton; Vaimann, Toomas; Org, Peeter; Leibak, Alar; Gordon, Rauno; Priidel, Eiko** Proceedings of the Estonian Academy of Sciences 2021 / p. 268-285 : ill <https://doi.org/10.3176/proc.2021.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 and Performance of E-Type Transformer Core**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas; Ghahfarokhi, Payam Shams** Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Additive manufacturing of electrical machines**

**Kallaste, Ants** 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 61-62 : ill [https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

**Additive manufacturing of electrical machines - towards the industrial use of a novel technology**

**Vaimann, Toomas; Kallaste, Ants** Energies 2023 / art. 544 <https://doi.org/10.3390/en16010544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing of Nd-based permanent magnets from recycled materials : innovations, challenges, and prospects**

**Sarwar, Waqas Ahmed; Tiismus, Hans** Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 25 ; poster 16 [https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts\\_pub3.pdf](https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf)

### **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 advanced thermal management solutions for electrical machines = Kihltisandusmeetodid valmistatud täiustatud jahutuslahendused elektrimasinatele**

**Sarap, Martin** 2025 [https://www.ester.ee/record=b5755150\\*est](https://www.ester.ee/record=b5755150*est) <https://digikogu.taltech.ee/et/Item/e8fe803d-bbda-41c5-b78d-3aef7b1fd504> <https://doi.org/10.23658/taltech.54/2025>

### **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 from main organizers**

**Vinnikov, Dmitri; Liivik, Elizaveta** 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. [3] [https://www.ester.ee/record=b5291755\\*est](https://www.ester.ee/record=b5291755*est)

### **Address from main organizers**

**Vinnikov, Dmitri; Liivik, Elizaveta** 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. [3] [https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

### **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>

### **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 (SDMPED) : [Tinos (Greece), August 29 - September 01, 2017] 2017 / p. 58-64 : ill <https://doi.org/10.1109/DEMPED.2017.8062334>

### **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>

### **An advanced diagnostic approach for broken rotor bar detection and classification in DTC controlled induction motors by leveraging dynamic SHAP interaction feature selection (DSHAP-IFS) GBDT methodology**

**Khan, Muhammad Amir; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants** Machines 2024 / art. 495 <https://doi.org/10.3390/machines12070495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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>

### **Advanced Modelling Frameworks for the Digital Twin of an Autonomous Electric Vehicle Propulsion Drive System = Autonoomse elektrisõiduki veoelektrijami digitaalse kaksiku täiustatud modelleerimise raamistikud**

**Mohamed, Mahmoud Ibrahim Hassanin** 2025 <https://digikogu.taltech.ee/et/Item/6df09867-e34b-45f1-b04e-b97c08b90589> [https://www.ester.ee/record=b5746300\\*est](https://www.ester.ee/record=b5746300*est) <https://doi.org/10.23658/taltech.31/2025>

### **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>

### **Advances in machine fault diagnosis**

**Vaimann, Toomas** Applied sciences 2021 / art. 7348, 5 p <https://doi.org/10.3390/app11167348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **Advances in machine fault diagnosis**

**Vaimann, Toomas** Advances in machine fault diagnosis 2022 / p. 1-5 <https://doi.org/10.3390/app11167348>

### **Advancing solar power forecasting with machine learning**

**Hokmabad, Hossein Nourollahi** 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 89-90 : ill [https://www.ester.ee/record=b5570906\\*est](https://www.ester.ee/record=b5570906*est)

### **Aeg tunda rõõmu**

**Kilk, Aleksander** Mesinik : mesindusajakiri 2023 / lk. 4-5 [https://www.ester.ee/record=b1072594\\*est](https://www.ester.ee/record=b1072594*est)

### **Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation**

Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Energies 2020 / art. 3698 <https://doi.org/10.3390/en13143698>

### **Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation**

Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Industrial and Technological Applications of Power Electronics Systems 2021 / p. 331-339 <https://doi.org/10.3390/en13143698>

### **Aggregated demand-side energy flexibility : a comprehensive review on characterization, forecasting and market prospects**

**Plaum, Freddy; Ahmadiyahangar, Roya; Rosin, Argo; Kilter, Jako** Energy reports 2022 / p. 9344-9362 <https://doi.org/10.1016/j.egy.2022.07.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Aggregation ready flexibility management methods for mechanical ventilation systems in buildings**

**Maask, Vahur; Rosin, Argo; Korõtko, Tarmo; Thalfeldt, Martin; Syri, Sanna; Ahmadiyahangar, Roya** Energy and buildings 2023 / art. 113369, 14 p. : ill <https://doi.org/10.1016/j.enbuild.2023.113369> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 coordinated transactive energy trading for microgrids**

**Crasta, Cletus J.** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 105-106 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

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

Rashtbaryan, A.; Gharehpetian, Gevork B.; Baghaee, H. R.; **Ahmadiyahangar, 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](#)

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

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

### **AI applications to enhance resilience in power systems and microgrids - a review**

Zahraoui, Younes; **Korõtko, Tarmo; Rosin, Argo; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex; Alhamrouni, Ibrahim** Sustainability 2024 / art. 4959 <https://doi.org/10.3390/su16124959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Shahid, Arqum; Plaum, Freddy; Korõtko, 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>

## "AK.Nädal" uuris, kuidas häirivad tuulepargid julgeolekut

Põlendik, Kadri; Aaspõllu, Huko err.ee 2024 ["AK.Nädal" uuris, kuidas häirivad tuulepargid julgeolekut](https://www.ester.ee/record=b1240496*est)

## Alalisvoolu tagasitulek - unistus või reaalsus?

Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei; Chub, Andrii; Carvalho da Silva, Edivan Laercio Elektriala 2023 / lk. 22-25 : ill, portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

## Alalisvooluülekanne türistorventiilid. Osa 2, Terminoloogia [Vörguteavik] = Thyristor valves for high-voltage direct current (HVDC) power transmission. Part 2, Terminology (IEC 60700-2:2016+IEC 60700-2:2016/AMD1:2021)

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## Alalisvooluülekanne türistorventiilid. Osa 2, Terminoloogia [Vörguteavik] = Thyristor valves for high-voltage direct current (HVDC) power transmission. Part 2, Terminology (IEC 60700-2:2016)

2020 [https://www.ester.ee/record=b5329543\\*est](https://www.ester.ee/record=b5329543*est)

## Alalisvooluülekanne [Vörguteavik] : sõnastik = High-voltage direct current (HVDC) transmission : vocabulary (IEC 60633:2019)

2020 [https://www.ester.ee/record=b5307917\\*est](https://www.ester.ee/record=b5307917*est)

## Aleksander Kilk

Kilk, Aleksander Nõukogude aja mesindus : mesinike meenutusi 2022 / lk. [78]-107 : fot [https://www.ester.ee/record=b5508122\\*est](https://www.ester.ee/record=b5508122*est)

## Aleksander Kilk: ülikooli õhkkond teeb vabaks!

Kilk, Aleksander Mente et Manu 2025 / lk. 6-7 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## Alusteaduste aastale pandi punkt

Vaimann, Toomas; Abner, Erik Eesti Teaduste Akadeemia sõnas ja pildis 2023 2024 / lk. 65-67 : fot [https://www.ester.ee/record=b5054043\\*est](https://www.ester.ee/record=b5054043*est)

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

Gupta, Pradeep Kumar; Kumari Gupta, Anju; Tuttleberg, 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>

## 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 2018 / p. 201-206 : ill <https://doi.org/10.1109/INDIN.2018.8472045>

## An indirect adaptive control paradigm for wind generation systems

Kamal, Tariq; Karabacak, Murat; Hassan, Syed Zulqadar; Fernández Ramírez, Luis M.; Roasto, Indrek; Khan, Laiq Advanced control and optimization paradigms for wind energy systems 2019 / p. 235-257 [https://doi.org/10.1007/978-981-13-5995-8\\_10](https://doi.org/10.1007/978-981-13-5995-8_10) [Article collection metrics at Scopus](#) [Article at Scopus](#)

## An indirect model predictive current control (CCS-MPC) for grid-connected single-phase three-level NPC quasi-Z-source PV inverter

Pires Pimentel, Sergio 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 29-30 : ill [https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

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

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2021 [https://www.ester.ee/record=b5464111\\*est](https://www.ester.ee/record=b5464111*est)

**Elektrimõõteseadmed [Võrguteavik] : erinõuded. Osa 24, Staatilised põhisagedus-reaktiivenergia arvestid (klassid 0,5 S, 1 S, 1, 2 ja 3) = Electricity metering equipment : particular requirements. Part 24, Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3) (IEC 62053-24:2020)**

2021 [https://www.ester.ee/record=b5435137\\*est](https://www.ester.ee/record=b5435137*est)

**Elektrimõõteseadmed [Võrguteavik] : erinõuded. Osa 24, Staatilised põhisagedus-reaktiivenergia arvestid (klassid 0,5 S, 1 S, 1, 2 ja 3) = Electricity metering equipment : particular requirements. Part 24, Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3) (IEC 62053-24:2020)**

2021 [https://www.ester.ee/record=b5465248\\*est](https://www.ester.ee/record=b5465248*est)

**Elektrimõõteseadmed [Võrguteavik] : erinõuded. Osa 24, Staatilised põhisagedus-reaktiivenergia arvestid (klassid 0,5 S, 1 S, 1, 2 ja 3) = Electricity metering equipment : particular requirements. Part 24, Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3) (IEC 62053-24:2020)**

2021 [https://www.ester.ee/record=b5465245\\*est](https://www.ester.ee/record=b5465245*est)

**Elektrimõõteseadmed [Võrguteavik] : erinõuded. Osa 21: Staatilised vahelduvvoolu aktiivenergia arvestid (klassid 0,5, 1 ja 2) = Electricity metering equipment. Particular requirements. Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)(IEC 62053-21:2020)**

2021 [https://www.ester.ee/record=b5435094\\*est](https://www.ester.ee/record=b5435094*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3, Rikkesilmuse näivtakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 3, Loop impedance (IEC 61557-3:2019)**

2022 [https://www.ester.ee/record=b5509793\\*est](https://www.ester.ee/record=b5509793*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019)**

2022 [https://www.ester.ee/record=b5509797\\*est](https://www.ester.ee/record=b5509797*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019/AMD1:2023)**

2023 [https://www.ester.ee/record=b5652663\\*est](https://www.ester.ee/record=b5652663*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019+IEC 61557-7:2019/AMD1:2023)**

2023 [https://www.ester.ee/record=b5651790\\*est](https://www.ester.ee/record=b5651790*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1, Üldnõuded = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 1, General requirements (IEC 61557-1:2019)**

2021 [https://www.ester.ee/record=b5479190\\*est](https://www.ester.ee/record=b5479190*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2, Isolatsioonitakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 2, Insulation resistance (IEC 61557-2:2019)**

2021 [https://www.ester.ee/record=b5479192\\*est](https://www.ester.ee/record=b5479192*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4, Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 4, Resistance of earth connection and equipotential bonding (IEC 61557-4:2019)**

2021 [https://www.ester.ee/record=b5479193\\*est](https://www.ester.ee/record=b5479193*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5, Maandustakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 5, Resistance of earth (IEC 61557-5:2019)**

2021 [https://www.ester.ee/record=b5479568\\*est](https://www.ester.ee/record=b5479568*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6, Rikkevoolukaitseaparatuuride tõhusus TT-, TN- ja IT-süsteemides = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 6, Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2019)**

2021 [https://www.ester.ee/record=b5479599\\*est](https://www.ester.ee/record=b5479599*est)

**Elektriseadmed [Võrguteavik] : liigvoolukaitselülitid majapidamis- ja muudele taoliste paigaldistele. Osa 2, Vahelduv- ja alalisvoolul kasutatavad kaitselülitid = Electrical accessories : circuit-breakers for overcurrent protection for household and similar installations. Part 2, Circuit-breakers for a.c. and d.c. operation (IEC 60898-2:2016, modified)**

2021 [https://www.ester.ee/record=b5473393\\*est](https://www.ester.ee/record=b5473393*est)

**Elektrisüsteemi arvutamise alused reaalajasimulatsioonide raamistikus : harjutused**

**Leinakse, Madis; Andreesen, Guido; Campos, Nathalia de Morais Dias** 2022 [https://haldus.taltech.ee/sites/default/files/2023-02/EE\\_ins\\_Elektris%C3%BCsteemi\\_arvutamise\\_alused\\_reaalajasimulatsioonide\\_raamistikus\\_Harjutused.pdf](https://haldus.taltech.ee/sites/default/files/2023-02/EE_ins_Elektris%C3%BCsteemi_arvutamise_alused_reaalajasimulatsioonide_raamistikus_Harjutused.pdf)

**Elektritarkvõrgud ja virtuaalsed elektrijaamad**

**Rosin, Argo; Korõtko, Tarmo** TööstusEST 2018 / lk. 32-34 : ill [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est)  
<https://toostusest.ee/uudis/2018/09/04/virtuaalsed-elektrijaamad/> [https://artiklid.elnet.ee/record=b2865323\\*est](https://artiklid.elnet.ee/record=b2865323*est)

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**Palu, Ivo; Tull, Marek** Elektriala 2023 / lk. 8-10 [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)  
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**Tiidemann, Tiit** Director. Inseneria 2017 / lk. 108-111 : fot [http://www.ester.ee/record=b1519314\\*est](http://www.ester.ee/record=b1519314*est)  
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**Korõtko, Tarmo; Pettai, Elmo** Elektriala 2018 / lk. 10-13 : ill [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est)  
[https://artiklid.elnet.ee/record=b2865343\\*est](https://artiklid.elnet.ee/record=b2865343*est)

**Elektriõhuliinid vahelduvpingega üle 1 kV. Osa 2-20, Eesti riiklikud erinõuded (SEN) [Võrguteavik] = Overhead electrical lines exceeding AC 1 kV. Part 2-20, National Normative Aspects (NNA) for Estonia (based on EN 50341-1:2012)**  
2018 [https://www.ester.ee/record=b5186383\\*est](https://www.ester.ee/record=b5186383*est)

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**Tealane, Marko** Elektriala 2025 / lk. 30-31 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

**Elektromagnetiline ühilduvus. Osa 6-1, Erialased põhistandardid. Häiringutaluvus olme-, kaubandus- ja väiketööstuskeskkondades [Võrguteavik] = Electromagnetic compatibility (EMC). Part 6-1, Generic standards. Immunity standard for residential, commercial and light-industrial environments (IEC 61000-6-1:2016)**

2019 [https://www.ester.ee/record=b5205425\\*est](https://www.ester.ee/record=b5205425*est)

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2019 [https://www.ester.ee/record=b5205860\\*est](https://www.ester.ee/record=b5205860*est)

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**Kütt, Lauri** Elektriala 2024 / lk. 28-31 : fot., ill., portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

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**Kütt, Lauri** EhitusEST 2023 / lk. 24-27 : fot [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est)

**An embedded half-bridge  $\Gamma$ -Z-source inverter with reduced voltage stress on capacitors**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; Chub, Andrii** Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](https://www.scopus.com/journalInfo/recordLinks.do?doi=10.3390/en14196433) [Article at Scopus](https://www.wos.com/journalInfo/recordLinks.do?doi=10.3390/en14196433) [Journal metrics at WOS](https://www.wos.com/journalInfo/recordLinks.do?doi=10.3390/en14196433) [Article at WOS](https://www.wos.com/journalInfo/recordLinks.do?doi=10.3390/en14196433)

**Emerging converter topologies and control for grid connected photovoltaic systems**

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**Emeriitprofessor Jaan Järvik 85!**

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**Järvik, Jaan** ärileht.ee 2019 / [3] l. : ill <https://arileht.delfi.ee/news/uudised/emeritprofessor-kiidab-sonajalgade-tuulikuid-alguses-olin-mina-ka-skeptiline?id=86180313>

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**Palu, Ivo** TööstusEST 2025 / lk. 45 : portr [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

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**Kudelina, Karolina** postimees.ee 2024 [Energeetiku rõõmuhetk: tahan siiralt toetada ja julgustada naisi nende enda teed järgima](#)

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**Tamm, Liivi** TööstusEST 2023 / lk. 18-20 : fot [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

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**Jalakas, Tanel; Chub, Andrii; Vinnikov, Dmitri; Spalatu, Nicolae;** Gudkova, Viktoria; **Krunks, Malle; Mere, Arvo; Lahi, Allan;** Lindvest, Andre Elektriala 2023 / lk. 14-16 : portr., fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

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### **Energy management of an isolated microgrid : a practical case**

Ghasemi-Marzbali, Ali; **Ahmadiyahangar, 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](#)

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