

**A new approach to build a low-level malicious fault list starting from high-level description and alternative graphs**

Benso, A.; Prinetto, Paolo; Rebaudengo, M.; Sonza, M.; **Ubar, Raimund-Johannes** Proceedings IEEE European Design & Test Conference, Paris, March 17-20, 1997 1997 / p. 560-565 <https://ieeexplore.ieee.org/document/582417>

**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>

**Active power losses in Estonian power transmission network**

**Ainsaar, Karin Maria; Ülavere, Eero; Tammoja, Heiki; Valtin, Juhan** 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 112-117 : ill

**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>

**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>

**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](#)

**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>

**An approach for verification assertions reuse in RTL test pattern generation**

**Jenihhin, Maksim; Raik, Jaan;** Fujiwara, Hideo; **Ubar, Raimund-Johannes; Viilukas, Taavi** Digest of papers : IEEE 11th Workshop on RTL and High Level Testing : WRTL'10 : December 5-6, 2010, Shanghai, China 2010 / p. 107-110 : ill

**Analysis of fault-tolerant operation capabilities of an isolated bidirectional current-source DC-DC converter**

**Blinov, Andrei; Kosenko, Roman; Chub, Andrii;** Ivakhno, Volodymyr Energies 2019 / art. 3203, p. 14 : ill <https://doi.org/10.3390/en12163203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 approach for verification assertions reuse 2 in RTL test pattern generation**

**Jenihhin, Maksim; Raik, Jaan; Ubar, Raimund-Johannes; Viilukas, Taavi;** Fujiwara, Hideo Journal of Shanghai Normal University : Natural Sciences 2010 / p. 441-447 : ill [https://www.researchgate.net/publication/240613999\\_An\\_Approach\\_for\\_Verification\\_Assertions\\_Reuse\\_in\\_RTL\\_Test\\_Pattern\\_Generation](https://www.researchgate.net/publication/240613999_An_Approach_for_Verification_Assertions_Reuse_in_RTL_Test_Pattern_Generation)

**Approaches to extra-functional verification of security and reliability aspects in hardware designs = Riistvaraprojektide turva- ja töökindlusaspektide ekstrasfunktsionaalse verifitseerimise lähenemisviisid**

**Lai, Xinhui** 2022 <https://doi.org/10.23658/taltech.29/2022> <https://digikogu.taltech.ee/et/Item/cff1aeb9-b0b2-49ce-b81a-bfb9dc25fd56> [https://www.ester.ee/record=b5502807\\*est](https://www.ester.ee/record=b5502807*est)

**Assessment and Enhancement of Hardware Reliability for Deep Neural Networks = Riistvara töökindluse hindamine ja täiustamine süvanärvivõrkude jaoks**

**Ahmadilivani, Mohammad Hasan** 2025 [https://www.ester.ee/record=b5739227\\*est](https://www.ester.ee/record=b5739227*est) <https://digikogu.taltech.ee/et/Item/652d50e3-773f-4de5-897d-86531feb0d56> <https://doi.org/10.23658/taltech.19/2025>

**Assessment of electricity supply interruption costs under restricted time and information resources**

**Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan** Proceedings of the 2006 IASME/WSEAS International Conference on Energy & Environmental Systems : Chalkida, Greece, May 8-10, 2006 2006 / p. 409-415 : ill

**Assurance of synergy and competitive dependability at non-safety-critical mechatronic systems design**

**Tähemaa, Toivo** 2002 [http://www.ester.ee/record=b1685133\\*est](http://www.ester.ee/record=b1685133*est)

### **Assurance of synergy and competitive reliability at mechatronics systems design**

**Tähemaa, Toivo; Kaljas, Frid; Reedik, Vello** Proceedings of the 2nd IFAC Conference on Mechatronics 2002 / p. 871-876

### **Autode ZIL-130 käigukastide ja vedavate sildade töökindluse uurimine**

**Pruusapuu, J.; Mäekask, Jaan** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 87 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

### **Auvere elektrijaama remont kestab novembri keskpaigani**

Krijukov, Aleksander [err.ee](https://www.err.ee) 2023 [Auvere elektrijaama remont kestab novembri keskpaigani](#) Ремонт Аувереской электростанции продлится до середины ноября [Auvere power plant repairs extended until mid-November](#)

### **Auvere elektrijaama töökindlus sai taas löögi. Pakun lahenduse**

**Kuhi-Thalfeldt, Reeli** [postimees.ee](https://www.postimees.ee) 2022 [Auvere elektrijaama töökindlus sai taas löögi. Pakun lahenduse](#)

### **Blanking performance and fatigue endurance of carbide composites**

**Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina; Sergejev, Fjodor; Traksmaa, Rainer** Proceedings of 10th International Conference and Exhibition of the European Ceramic Society : June 17-21, 2007, Berlin 2007 / [4] p

### **CAN - Controller Area Network**

Nikiforov, Deniss A & A 2007 / 6, lk. 11-19 : ill [https://artiklid.elnet.ee/record=b1021178\\*est](https://artiklid.elnet.ee/record=b1021178*est)

### **Combining fault analysis technologies for ISO26262 functional safety verification**

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Hamdioui, Said; Sauer, Christian 2019 IEEE 28th Asian Test Symposium (ATS) : 10–13 December 2019, Kolkata, India : proceedings 2019 / p. 129–134 : ill <https://doi.org/10.1109/ATS47505.2019.00024>

### **Common-ground energy router structure with enhanced reliability and protection = Ühise nulljuhtmega suurendatud töökindluse ja kaitsega energiaruuter**

**Rahimpour, Saeed** 2024 <https://doi.org/10.23658/taltech.45/2024> [https://www.ester.ee/record=b5694226\\*est](https://www.ester.ee/record=b5694226*est) <https://digikogu.taltech.ee/et/Item/520b18fc-f0a8-4a08-ade8-d3b890d253ff>

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

**Peterson, Kristjan; 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>

### **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>

### **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>

### **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>

### **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>

### **CREDES Summer School : Dependable Systems Design : handouts**

2011 [http://www.ester.ee/record=b2891192\\*est](http://www.ester.ee/record=b2891192*est)

### **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>

### **Demonstration of mitigation measures and clarification of unclear grid code requirements : Deliverable D1.6 [Online resource]**

Rüberg, S.; Sewdien, V.; Rueda Torres, J. L.; **Kilter, Jako** 2019 [Deliverable D1.6](#)

**Dependability improvements of NoC-based systems = Töökindluse parandamine kiipvõrkudel põhinevates süsteemides**  
Niazmand, Behrad 2018 <https://digi.lib.ttu.ee/ii/?9879> [https://www.ester.ee/record=b4907650\\*est](https://www.ester.ee/record=b4907650*est)

**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 issues of redundant protection and supervision system for the special purpose power converters [Electronic resource]**

Vinnikov, Dmitri; Roasto, Indrek; Vodovozov, Valery International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April 2009 / [6] p. [CD-ROM] <https://www.icrepq.com/ICREPQ%2709/356-vinnikov.pdf>

**Determination of the most loaded bolt cross section in critical threaded joint**

Strižak, Viktor; Penkov, Igor Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 29-33 : ill

**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>

**Development of a Substation Risk-Based Asset Management Decision-Making Process in the Case of Insufficient Information = Alajaama riskipõhise varahalduse otsustusprotsessi arendamine ebapiisava sisendteabe tingimustes**

Andreesen, Guido 2025 [https://www.ester.ee/record=b5754736\\*est](https://www.ester.ee/record=b5754736*est) <https://digikogu.taltech.ee/et/Item/49e349b9-c62b-4a9e-af14-5c8408e54028> <https://doi.org/10.23658/taltech.52/2025>

**Development of the theory and methods of complex optimisation of the control and operational reliability of the interconnections of power systems (IPS) on the interstate level in free market conditions**

Krumm, Lembit; Kurrel, Ü.; Terno, Olaf International Conference on Operational Research : Simulation and Optimisation in Business and Industry : May 17-20, 2006, Tallinn, Estonia 2006 / p. 178-182

**Development of the theory and methods of the complex optimisation of the control and reliability of the interconnections of power systems (IPS) on the interstate level in free market conditions**

Krumm, Lembit; Kurrel, Ü.; Terno, Olaf 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 31-32

**Development of theory and methods of complex optimisation of control and operational reliability of interconnected power systems**

Krumm, Lembit; Kurrel, Ü.; Terno, Olaf Oil shale 2007 / 2S, p. 377-388 [https://kirj.ee/wp-content/plugins/kirj/pub/OS-2S-2007-377-388\\_20230314000936.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/OS-2S-2007-377-388_20230314000936.pdf)

**Diagnostic software**

Ubar, Raimund-Johannes Concise encyclopedia of software engineering 1993 / p. 101-105

**Distributed generation - the new way for electrical networks**

Leoste, Margus Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 51-53 : ill

**Doktoriväitekirjate vete puhtuse kaitseks : [Heino Möldri väitekirjast "Uuringute tsükkel asulate reoveepuhastuses aktiivmudaprotsessi efektiivsuse ja töökindluse suurendamiseks"]**

Tehnika ja Tootmine 1993 / lk. 48

**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>

**ECS an endeavor towards providing similar cache reliability behavior in different programs**

Ahmadilivani, Mohammad Hasan; Jahromi, Mohammad Moeini; Salehi, Mostafa E.; Kargar, Mona Microelectronics Reliability 2024 / art. 115295 <https://doi.org/10.1016/j.microrel.2023.115295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Eesti elektrivarustuse võtit hoiab Vene energiakompanii : [akadeemik Anto Raukase väidetega]**

Raukas, Anto; Mazur, Tanel; Berendson, Risto Eesti Päevaleht 2005 / 15. apr., lk. 4 : ill <https://epl.delfi.ee/artikkel/51008239/eesti-elektrivarustuse-votit-hoiab-vene-energiakompanii>

**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>

**Ehitiste ja rajatiste ohutuse, riski ja töökindlusega seonduvast**  
**Õiger, Karl** Ehituskaar 2004 / xlk. 24-27 : ill

**Elaboration of tool for production process reliability evaluation in machinery industry**  
**Kostina, Marina; Karaulova, Tatjana** 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 263-268 : ill

**Electric Power Quality and Supply Reliability : June 9-12, 1999, Sagadi, Estonia : conference proceedings**  
**Järvik, Jaan; Vinnal, Toomas** 1999 [https://www.ester.ee/record=b1817525\\*est](https://www.ester.ee/record=b1817525*est)

**Elektrikvaliteedi juubelikonverents Tallinnas**  
**Järvik, Jaan** Elektriala 2016 / lk. 12-14 : fot [https://artiklid.elnet.ee/record=b2803320\\*est](https://artiklid.elnet.ee/record=b2803320*est)

**Elektrisüsteemi stabiilsus**  
**Meldorf, Mati; Kilter, Jako** 2011 [http://www.ester.ee/record=b2753320\\*est](http://www.ester.ee/record=b2753320*est)

**Elektroonikaaparatuuri töökindluse arvutamine : metoodiline juhend**  
1977 [https://www.ester.ee/record=b1266100\\*est](https://www.ester.ee/record=b1266100*est)

**Energy storage for 1500 V photovoltaic systems : A comparative reliability analysis of DC-and AC-Coupling**  
**He, Jinkui; Yang, Yongheng; Vinnikov, Dmitri** Emerging converter topologies and control for grid connected photovoltaic systems 2021 / p. 323-338 : ill <https://doi.org/10.3390/books978-3-03943-910-2>

**Energy storage for 1500 V photovoltaic systems : A comparative reliability analysis of DC-and AC-Coupling**  
**He, Jinkui; Yang, Yongheng; Vinnikov, Dmitri** Energies 2020 / art. 3355, 16 p. : ill <https://doi.org/10.3390/en13133355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enhancing the aspect robustness score of the HAABSA++ model using adversarial training**  
**Agha, Milad; Frasinicar, Flavius; Zhu, Beilly; Robal, Tarmo** Web Engineering : 25th International Conference, ICWE 2025, Delft, The Netherlands, June 30 – July 3, 2025 : Proceedings 2026 / p. 89-103 <https://doi.org/10.1007/978-3-031-97207-2>  
[https://link.springer.com/chapter/10.1007/978-3-031-97207-2\\_7](https://link.springer.com/chapter/10.1007/978-3-031-97207-2_7)

**European digital finance**  
**Aben, Janika; Etti, Paula** Digital development of the European Union : an interdisciplinary perspective 2023 / p. 67-84  
[https://doi.org/10.1007/978-3-031-27312-4\\_5](https://doi.org/10.1007/978-3-031-27312-4_5) [https://www.ester.ee/record=b5557935\\*est](https://www.ester.ee/record=b5557935*est)

**Evolution of design, use and strength calculations of screw threads and threaded joints**  
**Strizak, Viktor; Penkov, Igor; Pappel, Toivo** International Symposium on History of Machines and Mechanisms : proceedings HMM04 : [Cassio, Italy] 2004 / p. 243-257 : ill [https://link.springer.com/chapter/10.1007/1-4020-2204-2\\_20](https://link.springer.com/chapter/10.1007/1-4020-2204-2_20)

**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 and numerical assessment of fracture initiation in laser-welded webcore sandwich panels**  
**Kõrgesaar, Mihkel; Romanoff, Jani; Palokangas, Pekka** Proceedings of the Eighth International Conference on Thin-Walled Structures, Lisbon, 24-27 July 2018 2018 / [17 p.]

**Experimental testing of spray rails for the resistance reduction of planing crafts**  
**Lakatoš, Mikloš; Sahk, Tarmo; Kaarna, R.; Tabri, Kristjan; Kõrgesaar, Mihkel; Andreasson, Henrik** Trends in the analysis and design of marine structures : proceedings of the 7th International Conference on Marine Structures (MARSTRUCT 2019, Dubrovnik, Croatia, 6-8 May 2019) 2019 / p. 334–343 : ill <https://www.scc.ee/ee/?mdocs-file=2121> <https://doi.org/10.1201/9780429298875>

**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) 2024 / 8 p. : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10528372> <https://doi.org/10.1109/ISQED60706.2024.10528372> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Failure analysis of a spray polyurethane foam roofing system**  
**Kalamees, Targo; Põldaru, Mattias; Ilomets, Simo; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Õiger, Karl** Journal of building engineering 2020 / art. 101752, 9 p. : ill <https://doi.org/10.1016/j.jobbe.2020.101752> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Failure prediction of power devices under reverse surge current conditions**

**Freidin, Boris; Velmre, Enn; Udal, Andres** ISPSD'92 : Proceedings of the 4th International Symposium on Power Semiconductor Devices & Ics, Waseda University, Tokyo, Japan, 19-21 May 1992 1992 / p. 118-123 : ill <https://doi.org/10.1109/ISPSD.1992.991247>

**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 diagnosis of additional vibration in Cartesian robot**

**Autsoo, Siarhei** 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. 21-22 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Fault diagnosis of the tooth belt transmission of Cartesian robot**

**Autsoo, Siarhei; 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 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 tree generation from the process**

**Karaulova, Tatjana; Papstel, Jüri** Annals of DAAAM for 2004 & proceedings of the 15th International DAAAM Symposium "Intelligent Manufacturing & Automation : Globalisation - Technology - Men - Nature" : 3-6th November 2004, Vienna, Austria 2004 / p. 199-200 : ill

**A fault-resistant architecture for AES S-box architecture**

**Taheri, Mahdi;** Sheikhpour, Saeideh; Ansari, Mohammad Saeed; Mahani, Ali Journal of Applied Research in Electrical Engineering 2021 / p. 86-92 <https://doi.org/10.22055/jaree.2021.36230.1020>

**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>

**5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings**

2006 [http://www.ester.ee/record=b2184858\\*est](http://www.ester.ee/record=b2184858*est)

**Framework of reliability estimation for manufacturing processes**

**Karaulova, Tatjana; Kostina, Marina; Sahno, Jevgeni** Mechanika 2012 / p. 713-720 : ill  
<https://mechanika.ktu.lt/index.php/Mech/article/view/3168>

**From RTL liveness assertions to cost-effective hardware checkers**

**Hariharan, Ranganathan; Ghasempouri, Tara; Niazmand, Behrad; Raik, Jaan** XXXIII Conference on Design of Circuits and Integrated Systems (DCIS) : proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/DCIS.2018.8681487>

**Functional reliability of security systems**

**Varbola, Erki; Reedik, Vello** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 69-72 : ill

**Gaasiarvestid : lisafunktsionaalsused = Gas meters : additional functionalities [Võrguteavik]**

2014

**GIGA: failure prediction of ESD protection devices**

**Freidin, Boris; Udal, Andres** The Bug Exterminator : a monthly publication of Silvaco International 1992 / 11, p. 1-3

**High-Level Combined Deterministic and Pseudo-exhaustive Test Generation for RISC Processors**

**Oyeniran, Adeboye Stephen; Ubar, Raimund-Johannes; Jenihhin, Maksim; Raik, Jaan** 2019 IEEE European Test Symposium (ETS) : ETS 2019, May 27-31, 2019, Baden-Baden, Germany : Proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/ETS.2019.8791526>

**High-temperature liquid metal flowmeters of improved reliability**

**Kõiv, Ants-Kaspar; Mežburd, Volf; Reimal, Lembit** International MHD Conference MHD-processes to Protection of Environment, Ukraine, 1992 : proceedings. Part 2 1992 / p. 161-165

**Hoone kanalisatsioon [Võrguteavik] = Draining system inside buildings / Eesti Standardimis- ja Akrediteerimiskeskus**  
2021 [https://www.ester.ee/record=b5449156\\*est](https://www.ester.ee/record=b5449156*est)

**Häirekindel kodeerimine ja infoedastus**

**Madar, Urve** Ringhääling 2003 : X rahvusvahelise telekommunikatsioonipäeva materjalid 2003 / lk. 68-78 : ill

**IEEE European Test Symposium (ETS)**

Eggersgluss, Stephan; Hamdioui, Said; **Jutman, Artur**; Michael, Maria K.; **Raik, Jaan** 2019 IEEE International Test Conference (ITC) 2019 / 4 p <https://doi.org/10.1109/ITC44170.2019.9000148> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Implementation and benchmarking of a novel routing protocol for tactical mobile ad-hoc networks**

Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Kadri, Abdullah; Attia, Rabah; Ben Hamida, Elyes 2016 IEEE 12th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob) : 17-19 October 2016, New York, NY, USA 2016 / p. 118-125 : ill <https://doi.org/10.1109/WIMOB.2016.7763188>

**Improvement of voltage transformers overvoltage problems in MV networks**

**Janson, Kuno; Järvik, Jaan; Kütt, Lauri; Soosalu, Ain** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 247-250 : ill

**Improving the confidence level in functional safety simulation tools for ISO 26262**

**Bagbaba, Ahmet Cagri**; Augusto da Silva, Felipe; Sauer, Christian 2018 Design and Verification Conference (DVCON) Europe : [proceedings] 2018 / 6 p. : ill <https://dvcon-proceedings.org/document/improving-the-confidence-level-in-functional-safety-simulation-tools-for-iso-26262/> <https://zenodo.org/record/3361607#.Y0PHFnZByHs>

**In-field detection of degradation on PCB assembly high-speed buses**

**Odintsov, Sergei** IEEE AUTOTESTCON 2018 : National Harbor, September 17-20, 2018 : proceedings 2018 / 6 p.: ill <https://doi.org/10.1109/AUTEST.2018.8532547>

**Influence of scheme of threaded joints on stress concentration**

**Arjassov, Gennadi; Strizak, Viktor; Zverkov, Aleksei** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 38-40 : ill

**Influence of sintering techniques on performance characteristics of TiC-based cermet**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Annuka, Harri** 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 26

**Influence of sintering techniques on the performance characteristics of steel-bonded TiC-based cermets**

**Tšinjan, Aleksei; Klaasen, Heinrich; Kübarsepp, Jakob; Annuka, Harri** Estonian journal of engineering 2009 / 4, p. 283-292 : ill [https://www.researchgate.net/publication/237428192\\_Influence\\_of\\_sintering\\_techniques\\_on\\_the\\_performance\\_characteristics\\_of\\_steel-bonded\\_TiC-based\\_cermets](https://www.researchgate.net/publication/237428192_Influence_of_sintering_techniques_on_the_performance_characteristics_of_steel-bonded_TiC-based_cermets)

**Influence of system protection to Estonian power system security**

**Kilter, Jako; Reinson, Andrus**; Kraav, Rein PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 23-28 : ill

**Influence of variability on a reliable production process**

**Pribytkova, Marina; Polyantchikov, Igor; Karaulova, Tatjana** Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20-23rd October 2010, Zadar, Croatia 2010 / p. 329-330 : ill <https://www.semanticscholar.org/paper/INFLUENCE-OF-VARIABILITY-ON-A-RELIABLE-PRODUCTION/535ad081c795a15397ec3e9877d0a83f9ff2fa6d>

**Influence of variable energy flow to power characteristics**

**Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 29-32 : ill

**Infotehnoloogia. Sõnastik. Osa 14, Töökindlus, hooldatavus ja käideldavus**

Hanson, Vello; Tavast, Arvi; **Kalja, Ahto; Vöhandu, Leo** 1999 [https://www.ester.ee/record=b1323632\\*est](https://www.ester.ee/record=b1323632*est)

**Integration of Wide Area Monitoring technology and enhancement of power system reliability in Baltic power system**

**Kilter, Jako; Reinson, Andrus** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 41-46 : map

**Intelligent condition monitoring methods for electrical machines and drive systems**

**Kudelina, Karolina** 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 / p. 35-36 : ill [https://www.ester.ee/record=b5457278\\*est](https://www.ester.ee/record=b5457278*est)

**Intelligent contingency overload-avoiding control of BESS for renewable-rich local area**

Gonzalez-Longatt, Francisco; Abdellah, Kouzou; **Astapov, Victor**; Olivo, Franklin; Rueda, Jose Luis; Palensky, Peter; Chamorro, Harold R. 19th International Multi-Conference on Systems, Signals & Devices (SSD) 2022 / p. 1638-1643  
<https://doi.org/10.1109/SSD54932.2022.9955825>

**Intelligent signal processing for improved measurement reliability**

**Ruban, Olga** 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 / p. 177-181 : ill

**Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn** Thin solid films 2004 / 1/2, p. 53-57 : ill  
<https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

**Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn**; **Kauk, Marit** Materials science and engineering : B 2004 / p. 295-298 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

**Interference-aware radio resource allocation for 5G ultra-reliable low-latency communication**

**Malik, Hassan**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Ni, Qiang 2018 IEEE Globecom Workshops (GC Wkshps) : proceedings 2018 / p. <https://doi.org/10.1109/GLOCOMW.2018.8644301>

**Inverse methods for computational simulations and optimization of erosion models in power plants : a numerical-sufactal nonlinear optimization of modelling**

**Casesnoves, Francisco**; **Surženkov, Andrei** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 / [8] p. : ill  
<http://dx.doi.org/10.1109/RTUCON.2017.8125630>

**Jumalaga, kolmemootorilised!**

**Luczkowski, Teodor** Tehnika 1996 / 2, lk. 28-30: ill

**Kelle süül tekkis praaktoode või -teenus, kes vastutab ja kuidas?**

**Güldenkoh, Maret** palgauudised.ee 2024 [Kelle süül tekkis praaktoode või -teenus, kes vastutab ja kuidas?](#)

**Kuhu kadus ise tegemise lihtsus: miks peab moodsa auto isegi lambipirni vahetamiseks töökotta viima?**

[Võrguväljaanne]

Rajasaar, Veli forte.delfi.ee 2021 ["Kuhu kadus ise tegemise lihtsus: miks peab moodsa auto isegi lambipirni vahetamiseks töökotta viima?"](#)

**Kuidas teha peedist pesumasinale trumlit? Auvere elektrijaam neelab veel miljoneid ega hakka niipea normaalselt tööle!**

Niitra, Nils ohtuleht.ee 2023 / lk. 4-5 [Kuidas teha peedist pesumasinale trumlit? Auvere elektrijaam neelab veel miljoneid ega hakka niipea normaalselt tööle!](#)

**Laboratory framework TEAM for investigating the dependability issues of microprocessor systems**

**Jasnetski, Artjom**; **Tšertov, Anton**; **Ubar, Raimund-Johannes**; **Kruus, Helena** 10th European Workshop on Microelectronics Education : EWME 2014 : May 14-16, 2014, Tallinn, Estonia 2014 / p. 80-83 : ill

**LightGBM-based fault diagnosis of rotating machinery under changing working conditions using modified recursive feature elimination**

Saberi, Alireza Nemat; **Belahcen, Anouar**; **Sobra, Jan**; **Vaimann, Toomas** IEEE Access 2022 / p. 81910-81925  
<https://doi.org/10.1109/ACCESS.2022.3195939> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Main faults and diagnostic possibilities of BLDC motors**

**Kudelina, Karolina**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants**; Lukichev, Dmitry 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 / 6 p. : ill <https://doi.org/10.1109/IWED48848.2020.9069553>

**Masinate töökindlus**

**Kleis, Ilmar** 1984 [https://www.ester.ee/record=b1238058\\*est](https://www.ester.ee/record=b1238058*est)

**Masinate töökindlus : loengukonspekt**

1994 [https://www.ester.ee/record=b1067804\\*est](https://www.ester.ee/record=b1067804*est)

### Maximum risk calculation process for individual substation equipment in primary side

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/ISGTEUROPE62998.2024.10863055>

### Methods and ways influencing the reliability of ergonomic (man-machine-environment) systems: safety and management aspects

Kiivet, Gunnar Tallinna Tehnikaülikooli Toimetised 1994 / lk. 12-26: ill

### Methods for reliability assessment and enhancement of deep neural networks hardware accelerators = Süvanärvivõrkude riistvara kiirendite töökindluse hindamine ja täiustamine

Taheri, Mahdi 2025 [https://www.ester.ee/record=b5728368\\*est](https://www.ester.ee/record=b5728368*est) <https://digikogu.taltech.ee/et/Item/9cf79768-17bc-44ec-a828-e4ccf6cf93f1>  
<https://doi.org/10.23658/taltech.4/2025>

### Methods of condition monitoring and fault detection for electrical machines

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Khang, Huynh Van Energies 2021 / art. 7459, 20 p. : ill <https://doi.org/10.3390/en14227459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Miks tehnika tõrjub?

Ajaots, Maito Horisont 1987 / lk. 14-17 : ill [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est) <http://www.digar.ee/id/nlib-digar:291465>

### Mission profile-based accelerated testing of DC-link capacitors in photovoltaic inverters

Sangwongwanich, Ariya; Shen, Yanfeng; Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri; Wang, Huai; Blaabjerg, Frede Thirty-Fourth Annual IEEE Applied Power Electronics Conference and Exposition, March 17 – 21, 2019, Anaheim, California 2019 / p. 2833-2840 : ill <https://doi.org/10.1109/APEC.2019.8721794> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Model verification for analysis of wind power impact to transient stability in isolated power system using combined relay protection and dynamics modelling approach

Maripuu, Rain; Tsernobrovkin, Oleg; Palu, Ivo; Kilter, Jako PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 169-174 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6256222>

### Modeling for multi-view interference analysis of design aspects in MPSoC designs

Vain, Jüri; Apneet Kaur; Tsiopoulos, Leonidas; Raik, Jaan; Jenihhin, Maksim RESCUE 2017 : Workshop on Reliability, Security and Quality : ETS17 Fringe Workshop, May 25-26, 2017, Limassol, Cyprus 2017 / p. 1-6  
<http://www.ets17.org.cy/workshop/rescue-workshop.html>

### Multiport interface converter with an energy storage for nanogrids

Roasto, Indrek; Rosin, Argo; Jalakas, Tanel IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6088–6093 : ill <https://doi.org/10.1109/IECON.2018.8591104>

### A novel high-voltage half-bridge converter with phase-shifted active rectifier [Electronic resource]

Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Vladimir; Vinnikov, Dmitri; Husev, Oleksandr 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 967-970 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6210062>

### Numerical simulation of CLT moisture uptake and dry-out following water infiltration through end-grain surfaces

Brandstätter, Florian; Kalbe, Kristo; Autengruber, Maximilian; Lukacevic, Markus; Kalamees, Targo; Ruus, Aime; Annuk, Alvar; Füssl, Josef Journal of Building Engineering 2023 / art. 108097 <https://doi.org/10.1016/j.jobbe.2023.108097> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Ohutuskriitiliste infosüsteemide arendamise metoodika (SAIS'i näitel)

Kelder, Irina A & A 2011 / 2, lk. 59-72 : ill [https://artiklid.elnet.ee/record=b2431021\\*est](https://artiklid.elnet.ee/record=b2431021*est)

### On reliability criteria of mechatronic systems

Tähemaa, Toivo OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 205-207  
[https://www.ester.ee/record=b1083704\\*est](https://www.ester.ee/record=b1083704*est)

### On reliability dimension in product development of mechatronic systems

Tähemaa, Toivo; Reedik, Vello TMCE 2000 : Third International Symposium on Tools and Methods of Competitive Engineering : April 18-21, 2000, Delft, The Netherlands 2000 / p. 197-202 : ill

### On the influence of modelling a weld effect when optimizing thin-walled structures for crashworthiness

Berntsson, K.; Kõrgesaar, Mihkel; Goncalves, B.; Romanoff, Jani The 29th International Ocean and Polar Engineering Conference : 16-21 June 2019, Honolulu, Hawaii, USA 2019 / ISOPE-I-19-316, 8 p [On the influence of modelling...](#) [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Operation of Single-Chip MOSFET and IGBT Devices after failure due to repetitive avalanche [Electronic resource]

**Blinov, Andrei**; Norrga, Staffan; Tibola, Gabriel EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / p. 1-9 : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309190>

#### **Optimaalsete süsteemide töökindluse teooria elemente**

**Voltšek, J.; Jõgi, Emma** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 114 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

#### **Pankade sisekontrolli probleemid teel infoühiskonda**

Sõrg, Mart Arvestuse ja maksunduse aktuaalsed probleemid : konverents 1997 / lk. 156-160 [https://www.ester.ee/record=b1293554\\*est](https://www.ester.ee/record=b1293554*est)

#### **Performance analysis of a flexible manufacturing system (FMS)**

**Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard** Procedia CIRP 2017 / p. 424-429 : ill <https://doi.org/10.1016/j.procir.2017.03.123> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Photovoltaic module characteristic influence on reliability of micro-inverters**

Sangwongwanich, Ariya; **Liivik, Elizaveta; Blaabjerg, Frede** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018) : Doha, Qatar, 10-12 April 2018 / p. 478-483 : ill <https://doi.org/10.1109/CPE.2018.8372565>

#### **Plahvatusohtlikes keskkondades kasutatavate elektriseadmete liigitamine**

**Risthein, Endel** Elektriala 2015 / lk. 8 [https://artiklid.elnet.ee/record=b2721076\\*est](https://artiklid.elnet.ee/record=b2721076*est)

#### **Planning method for the maintenance and repair of the vehicle fleet based on the life cycle contract**

Makarova, Irina; Mukhametdinov, Eduard; Gabsalikhova, Larisa; **Pashkevich, Anton**; Giniyatullin, Ilmur Transbaltica XI : Transportation Science and Technology : Proceedings of the International Conference Transbaltica, May 2-3, 2019, Vilnius, Lithuania 2020 / p. 434-444 [https://doi.org/10.1007/978-3-030-38666-5\\_46](https://doi.org/10.1007/978-3-030-38666-5_46)

#### **Power Electronic Systems for Efficient and Sustainable Energy Supply**

2019 [https://www.mdpi.com/journal/energies/special\\_issues/power\\_electronic\\_systems\\_for\\_eses](https://www.mdpi.com/journal/energies/special_issues/power_electronic_systems_for_eses)

#### **PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia : conference proceedings**

2010 [http://www.ester.ee/record=b2631897\\*est](http://www.ester.ee/record=b2631897*est)

#### **PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings**

2012 [https://www.ester.ee/record=b4770080\\*est](https://www.ester.ee/record=b4770080*est)

#### **PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11 - 13, 2014, Rakvere, Estonia : proceedings**

2014 [https://www.ester.ee/record=b4479987\\*est](https://www.ester.ee/record=b4479987*est)

#### **PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings**

2016 <https://ieeexplore.ieee.org/xpl/conhome/7600990/proceeding> [https://www.ester.ee/record=b5375325\\*est](https://www.ester.ee/record=b5375325*est)

#### **Puutetundlik tahvel on töökindel : [lühisõnum]**

**Ots, Avo** Äripäev 2002 / 31. okt., lk. 15

#### **Põhimõisteid seadmete töökindlusest : õppevahend**

**Tadolder, Jüri** 1978 [https://www.ester.ee/record=b1278745\\*est](https://www.ester.ee/record=b1278745*est)

#### **Rahvusvaheline elektritoite kvaliteedi ja elektrivarustuskindluse konverents - PQ2012**

Keskkonnatehnika 2012 / lk. 9 [https://artiklid.elnet.ee/record=b2526343\\*est](https://artiklid.elnet.ee/record=b2526343*est)

#### **RC bridge management optimisation considering condition assessment uncertainties**

**Sein, Sander**; Campos Matos, Jose; **Idnurm, Juhan**; Kiisa, Martti; Coelho, Mario Proceedings of the Estonian Academy of Sciences 2021 / p. 172-189 : ill <https://doi.org/10.3176/proc.2021.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Reliability analysis and energy yield of string-inverter considering monofacial and bifacial photovoltaic panels**

Bouguerra, Sara; Yaiche, Mohamed Redha; Sangwongwanich, Ariya; Blaabjerg, Frede; **Liivik, Elizaveta** 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 199-204 <https://doi.org/10.1109/PEDG48541.2020.9244425>

### **Reliability analysis module development for production route elaboration**

**Pribytkova, Marina; Sahno, Jevgeni; Karaulova, Tatjana; Ševtšenko, Eduard;** Maleki, Meysam; Cruz-Machado, V. Proceedings of the Ninth International Symposium on Tools and Methods of Competitive Engineering - TMCE 2012 : May 7-11, 2012, Karlsruhe, Germany 2012 / p. 1013-1026

[https://www.researchgate.net/publication/282325033\\_Reliability\\_analysis\\_module\\_development\\_for\\_production\\_route\\_elaboration](https://www.researchgate.net/publication/282325033_Reliability_analysis_module_development_for_production_route_elaboration)

### **Reliability analysis of battery energy storage system for various stationary applications**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Shen, Yanfeng;** Sangwongwanich, Ariya Journal of energy storage 2022 / art.

104217 <https://doi.org/10.1016/j.est.2022.104217> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Reliability analysis of dynamically loaded systems**

**Karaulova, Tatjana; Preis, Irina;** Marquis, G. Annals of DAAAM for 2007 & proceedings of the 18th International DAAAM

Symposium "Intelligent Manufacturing & Automation" : October 2007, Zadar, Croatia 2007 / p. 367-368 <https://go.gale.com/ps/i.do?id=GALE%7CA177174647&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=17269679&p=AONE&sw=w&userGroupName=anon%7E1d908e25&at=open-web-entry>

<https://go.gale.com/ps/i.do?id=GALE%7CA177174647&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=17269679&p=AONE&sw=w&userGroupName=anon%7E1d908e25&at=open-web-entry>

### **Reliability and operation diagnostics of light rail electric transport in Estonia [Electronic resource]**

**Rosin, Argo; Lehtla, Tõnu; Möller, Taavi** EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1751-1756 : ill. [CD-ROM]

### **Reliability aspects of PVD coatings sliding under wear and corrosive conditions = PVD pinnete töökindluse aspektid liughõõrdumise ja korrosiooni tingimustes**

**Baroninš, Janis** 2018 <https://digi.lib.ttu.ee/i/?11163> [https://www.ester.ee/record=b5174063\\*est](https://www.ester.ee/record=b5174063*est)

### **Reliability assessment of manufacturing processes**

**Karaulova, Tatjana; Kostina, Marina; Ševtšenko, Eduard** International journal of industrial engineering and management 2012 / p.

143-151 [https://www.researchgate.net/publication/289158975\\_Reliability\\_assessment\\_of\\_manufacturing\\_processes](https://www.researchgate.net/publication/289158975_Reliability_assessment_of_manufacturing_processes)

### **Reliability assessment of photovoltaic Buck-Boost microconverter for Estonian climate conditions**

**Bakeer, Abualkasim Ahmed Ali; 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-POWERENG58103.2023.10227505>

### **Reliability based design method for buckling of steel columns in fire**

**Kervalishvili, Andrei; Talvik, Ivar** Journal of Structural Fire Engineering 2020 / p. 167 - 187 <https://doi.org/10.1108/JSFE-12-2018-0041>

Journal metrics at Journal Article at Scopus Journal metrics at WOS Article at WOS

### **Reliability characteristics of hardmetals**

**Kübarsepp, Jakob;** Reshetnjak, Heinrich Proceedings of the World Congress and Exhibition on Powder Metallurgy, October 18-22, Granada, Spain 1998 / p. 15-20

### **Reliability criteria continuously developing mechatronic systems**

**Tähemaa, Toivo; Reedik, Vello** 2nd International Conference on Machine Automation. Advanced Mechatronics: first-time-right, September 15-18, 1998, Tampere, Finland : proceedings of the ICMA'98. Vol. 2 1998 / p. 831-837: ill

### **Reliability estimation for manufacturing processes**

**Kostina, Marina; Karaulova, Tatjana; Sahno, Jevgeni;** Maleki, Meysam Journal of achievements in materials and manufacturing engineering 2012 / p. 7-13 : ill [https://www.researchgate.net/publication/289158975\\_Reliability\\_assessment\\_of\\_manufacturing\\_processes](https://www.researchgate.net/publication/289158975_Reliability_assessment_of_manufacturing_processes)

[https://www.researchgate.net/publication/289158975\\_Reliability\\_assessment\\_of\\_manufacturing\\_processes](https://www.researchgate.net/publication/289158975_Reliability_assessment_of_manufacturing_processes)

### **Reliability evaluation of an impedance-source PV microconverter**

**Shen, Yanfeng; Liivik, Elizaveta;** Blaabjerg, Frede; **Vinnikov, Dmitri;** Wang, Huai; **Chub, Andrii** 2018 IEEE Applied Power Electronics Conference and Exposition (APEC 2018), San Antonio, Texas, USA, 4-8 March 2018 2018 / p. 1104-1108 : ill

<https://doi.org/10.1109/APEC.2018.8341154> Conference proceedings at Scopus Article at Scopus Article at WOS

### **Reliability evaluation of an impedance-source PV microconverter**

**Shen, Yanfeng; Liivik, Elizaveta;** Blaabjerg, Frede; **Vinnikov, Dmitri;** Wang, Huai; **Chub, Andrii** 17th International Symposium

"Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare,

Estonia, January 15-20, 2018 2018 / p. 108-110 : ill [http://ise.elnet.ee/record=b2950026~S2\\*est](http://ise.elnet.ee/record=b2950026~S2*est)

### **Reliability evaluation of isolated buck-boost DC-DC series resonant converter**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Shen, Yanfeng** IEEE open journal of power electronics 2022 / p. 131-141

<https://doi.org/10.1109/OJPEL.2022.3157200> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Reliability evaluation of the universal power electronic interface converter for PV applications**

**Khan, Salman; Chub, Andrii; Vinnikov, Dmitri;** Kasper, Matthias; Deboy, Gerald 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 8 p <https://doi.org/10.1109/PEMC61721.2024.10726360>

### **Reliability factors of production process**

Pribytkova, Marina; Karaulova, Tatjana Annals of DAAAM for 2009 & proceedings of the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Theory, Practice and Education" : 25-28th November 2009, Vienna, Austria 2009 / p. 947-948 : ill

### **Reliability framework for power network assessment**

Mishra, Sambeet; Bordin, Chiara; Fornes, Jordi Mateo; Palu, Ivo 2018 International Conference on Renewable Energy and Environment Engineering (REEE 2018) 2019 / art. 02005, 7 p. : ill <https://doi.org/10.1051/e3sconf/20198002005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Reliability in microsystems**

Michel, Bernd; Schubert, A.; Reichl, H. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 37-40: ill

### **Reliability management of manufacturing processes in machinery enterprises = Tootmisprotsesside usaldusväärsuse haldamine masinaehituse ettevõtetes**

Kostina, Marina 2012 [https://www.ester.ee/record=b2896156\\*est](https://www.ester.ee/record=b2896156*est)

### **Reliability of dual compounds "carbide composite+steel" produced by diffusion welding**

Klaasen, Heinrich; Kübarsepp, Jakob; Laansoo, Andres; Viljus, Mart International journal of refractory metals and hard materials 2010 / 5, p. 580-586 : ill

### **Reliability of electric power generation in power systems with thermal and wind power plants**

Valdma, Mati; Keel, Matti; Tammoja, Heiki; Kilk, Aleksander Oil shale 2007 / p. 197-208 : ill  
[https://www.researchgate.net/publication/228623749\\_Reliability\\_of\\_electric\\_power\\_generation\\_in\\_power\\_systems\\_with\\_thermal\\_and\\_wind\\_plants](https://www.researchgate.net/publication/228623749_Reliability_of_electric_power_generation_in_power_systems_with_thermal_and_wind_plants)

### **The reliability of stud-bolt joints**

Strižak, Viktor; Penkov, Igor OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 196-204 : ill [https://www.ester.ee/record=b1083704\\*est](https://www.ester.ee/record=b1083704*est)

### **Reliability of the measurement standards system needed for machinery in Estonia**

Kulderknup, Edi OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 153-162

### **Reliability prediction for man-machine production lines**

Karaulova, Tatjana; Pribytkova, Marina DAAAM International Scientific Book 2009 2009 / p. 487-500 <https://go.gale.com/ps/i.do?id=GALE%7CA224335557&sid=googleScholar&v=2.1&it=r&linkaccess=fulltext&issn=17269687&p=AONE&sw=w&userGroupName=anon%7E51d564e8&aty=open-web-entry>

### **RESCUE EDA Toolset for interdependent aspects of reliability, security and quality in nanoelectronic systems design**

Gürsoy, Cemil Cem; Cardoso Medeiros, Guilherme; Chen, Juanho; Balakrishnan, Aneesh; Lai, Xinhui; Bagbaba, Ahmet Cagri; Raik, Jaan; Jenihhin, Maksim DATE 2019 2019 / 1 p. : ill <https://doi.org/10.5281/zenodo.3362529> <https://past.date-conference.com/>

### **Review of technical solutions addressing voltage and operational challenges in a distribution grid with high penetration of intermittent RES**

Astapov, Victor; Shabbir, Noman; Rosin, Argo; Kütt, Lauri; Maask, Vahur; Tiismus, Hans Energy reports 2025 / p. 1738-1760  
<https://doi.org/10.1016/j.egy.2025.08.019>

### **Robot bus low-level control system transformation to an open-source solution**

Pikner, Heiko; Sell, Raivo; Gu, Junyi Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 020004 <https://doi.org/10.1063/5.0189277> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Robust speed controllers with autotuning for electrically driven equipment**

Aksjonov, Andrei; Serbin, Aleksandr; Vodovozov, Valery; Raud, Zoja 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (WED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January - 2nd of February 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/IWED.2019.8664397>

### **110 kV õhuliinide isolatsiooni töökindluse analüüs ja töökindluse tõstmise meetodid = The study of 110 kV power grid reliability and the measures to decrease insulation failure**

Taklaja, Paul 2012 [http://www.ester.ee/record=b2857612\\*est](http://www.ester.ee/record=b2857612*est)

### **Scenario-based Validation for Autonomous Vehicles with Different Fidelity Levels**

Malayjerdi, Mohsen; Kaljavesi, Gemb; Diermeyer, Frank; Sell, Raivo 2023 IEEE Conference on Intelligent Transportation Systems (ITSC 2023) 2023 / 6 p <https://doi.org/10.1109/ITSC57777.2023.10422403>

### **Seadmete töökindlusalaste uuringute kujunemine ja saavutusi Eesti NSV-s**

Kleis, Ilmar Tehnilise mõtte ja tehnikahariduse ajaloo probleeme Eestis : vabariikliku konverentsi (20.-21. detsember 1984)

materjalid. II, Teadusuuringud 1985 / lk. 15-18 [https://www.ester.ee/record=b1255676\\*est](https://www.ester.ee/record=b1255676*est)

**Self-healing photovoltaic microconverter with zero redundancy and accurate low-cost fault detection**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri** IEEE transactions on industrial electronics 2024 / p. 646-656  
<https://doi.org/10.1109/TIE.2023.3250836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Short-circuit fault detection and remedial in full-bridge rectifier of series resonant DC-DC converter based on inductor voltage signature**

**Bakeer, Abualkasim Ahmed Ali; 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/RTUCON51174.2020.9316482>

**Sildade toimivus inimese näitel**

**Sein, Sander** Teeleht 2019 / lk. 30-32 : fot [https://www.mnt.ee/sites/default/files/road\\_paper\\_pdf/mnt\\_teeleht\\_nr97\\_web.pdf](https://www.mnt.ee/sites/default/files/road_paper_pdf/mnt_teeleht_nr97_web.pdf)  
[https://www.ester.ee/record=b1073043\\*est](https://www.ester.ee/record=b1073043*est)

**Simplified assessing of substation-originated outages in analysis of transmission system reliability**

**Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan** Oil shale 2007 / 2S, p. 308-317 : ill <https://go.gale.com/ps/i.do?id=GALE%7CA199396816&sid=googleScholar&v=2.1&it=r&linkaccess=fulltext&issn=0208189X&p=AONE&sw=w&userGroupName=anon%7Eca2a5e6d&aty=open-web-entry>

**Simulation models for power-quality studies in power-electronics rich power networks : Deliverable 5.2 [Online resource]**

**Božiček, Ambrož; Blažič, Boštjan; Špelko, Aljaž; Sarnet, Tanel; Löper, Mari; Kilter, Jako** 2017 [Deliverable 5.2](#)

**Sinter/HIP technology of TiC-based cermets = Titaankarbiidkermiste survepaagutustehnoloogia**

**Kollo, Lauri** 2007

**Software availability and reliability**

**Karpovsky, E.J.; Tamm, Boris, inform.; Tepandi, Jaak** Systems & control encyclopedia. Supplementary volume 2 1992 / p. 938-939

**Special session: reliability assessment recipes for DNN accelerators**

**Ahmadilivani, Mohammad Hasan; Bosio, Alberto; Deveautour, Bastien; Dos Santos, Fernando Fernandes; Guerrero-Balaguera, Juan-David; Jenihhin, Maksim; Kritikakou, Angeliki; Sierra, Robert Limas; Raik, Jaan; Taheri, Mahdi** 42nd IEEE VLSI Test Symposium, VTS 2024 2024 / 11 p. : ill <https://doi.org/10.1109/VTS60656.2024.10538707> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Specification of safety and reliability requirements for control systems**

**Mötus, Leo** Dagstuhl Seminar 9509 : High Integrity Programmable Electronics Systems, February 27-March 03, 1995 1995

**Statistical process control for production process reliability management**

**Pribytkova, Marina; Polyantchikov, Igor; Karaulova, Tatjana** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 134-137 : ill

**Study of MOSFET post-fault operation in fault-tolerant DC-DC converters**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / Code 181231, 5 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830216>

**Sõltumatute ketaste liiasmassiiv (RAID)**

**Vapper, Virgo A & A** 2007 / 5, lk. 28-37 : ill [https://artiklid.elnet.ee/record=b1021107\\*est](https://artiklid.elnet.ee/record=b1021107*est)

**A synthetic, hierarchical approach for modelling and managing complex systems' quality and reliability = Sünteetiline, hierarhiline lähenemine keerukate süsteemide kvaliteedi ja töökindluse modelleerimiseks ja haldamiseks**

**Balakrishnan, Aneesh** 2022 <https://doi.org/10.23658/taltech.11/2022> <https://digikogu.taltech.ee/et/item/a594d3ec-0e6b-4a78-819a-fe1f47992612>

**System level design for dependability and reliability**

**Jervan, Gert** CREDES Summer School : Dependable Systems Design : handouts 2011 / p. 5-20 : ill

**Systematic analysis of electronic devices reliability**

**Eidukas, D.; Balaišis, P.; Navikas, D.** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 255-258: ill

**System-level design of timing-sensitive network-on-chip based dependable systems = Kiipvõrkudel põhinevate ajakriitiliste ja töökindlate süsteemide kõrgtaseme disain**

**Tagel, Mihkel** 2012 [https://www.ester.ee/record=b2778263\\*est](https://www.ester.ee/record=b2778263*est)

### **Zero-memory-overhead clipping-based fault tolerance for LSTM deep neural networks**

Parcekani, Bahram; Nazari, Samira; **Ahmadilivani, Mohammad Hasan; Azarpeyvand, Ali; Raik, Jaan; Ghasempouri, Tara; Daneshtalab, Masoud** 37th IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems, Harwell, Oxfordshire, Didcot, UK, October 8th - 10th, 2024 2024 / 4 p. : ill <https://doi.org/10.1109/DFT63277.2024.10753533> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Tallinna Tehnikaülikooli uus energeetikalabor**

Aro, Rein Elektriala 2018 / lk. 27 : fot [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est) [https://artiklid.elnet.ee/record=b2868795\\*est](https://artiklid.elnet.ee/record=b2868795*est)

### **TalTech avas energeetikalabori**

Ehitaja 2018 / lk. 30 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

### **TalTechi uues energeetikalaboris saab testida elektrisüsteemide töökindlust**

Mente et Manu 2018 / lk. 9 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) <http://dea.digar.ee/publication/AKmenteetmanu> [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2018/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html)

### **Techniques for robust routing, communication and computation in multiprocessor systems = Robustse marsruutimise, side ja arvutuse tehnikad mitneprotsessorilistes süsteemides**

Janson, Karl 2021 [https://www.ester.ee/record=b5396084\\*est](https://www.ester.ee/record=b5396084*est) <https://digikogu.taltech.ee/et/Item/c9091d5c-dcd8-4b21-95a7-84ead85241e6> <https://doi.org/10.23658/taltech.3/2021>

### **Teraste 12Cr18Ni12Ti ja DI-59 töökindlusest kõrgematel temperatuuridel**

Suik, Heinrich Tallinna Tehnikaülikooli Toimetised 1994 / lk. 62-67: ill

### **Test strategy for a 486 computer multichip module**

Magnhagen, Bengt BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 339-340: ill

### **TestIt: an open-source scalable long-term autonomy testing toolkit for ROS**

Kanter, Gert; Vain, Jüri Conference Proceedings of 2019 10th International Conference on Dependable Systems, Services and Technologies DESSERT'2019, United Kingdom, Leeds, June 5-7, 2019 2019 / art. 8770011, p. 45-50 <http://dx.doi.org/10.1109/DESSERT.2019.8770011>

### **The 4th International Conference : Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings**

2004 [https://www.ester.ee/record=b1978182\\*est](https://www.ester.ee/record=b1978182*est)

### **The effects of intermittent charging on VRLA battery life expectancy in telecom applications**

Suntio, Teuvo; Waltari, P.; Tenno, Ander; Tenno, Robert Proc. 24th INTELEC Conf., Montreal, Canada, 2002 2002 / p. 121-127 <https://ieeexplore.ieee.org/document/1048644>

### **The impact of safety and reliability requirements on the specification of control systems**

Mõtus, Leo Postprints of IFAC Workshop on Safety, Reliability and Applications of Emerging Intelligent Control Technologies, 12-14 December, Hong Kong, 1994 1994 / p. 88-96 <https://www.sciencedirect.com/science/article/pii/S1474667017457144>

### **The investigation of the Therac-25 accidents**

Zdanov, Vassili A & A 2007 / 6, lk. 20-32 : ill [https://artiklid.elnet.ee/record=b1021179\\*est](https://artiklid.elnet.ee/record=b1021179*est)

### **The reliability of thread joints working at cyclic loads**

Meng, Valentin; Strizak, Viktor OST-95 Symposium on Machine Design : proceedings, Oulu, Finland, May 18-19, 1995 1995 / p. 76-83: ill [https://www.ester.ee/record=b1033949\\*est](https://www.ester.ee/record=b1033949*est)

### **The remaining lifetime assessment of turbines K-200-130**

Klevtsov, Ivan; Lausmaa, Toomas; Tallermo, Harri "Creep Resistant Metallic Materials" held in Prague, Czech Republic, 8-11 April 2001 : part of the 10th joint International Conference on Creep & Fracture of Engineering Materials and Structures : proceedings 2001 / p. 320-326 : ill

### **6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings**

2008 [https://www.ester.ee/record=b2549933\\*est](https://www.ester.ee/record=b2549933*est)

### **Towards modern electricity grids**

Pikner, Rando 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 113-116 : ill

## Основные вопросы теории долговечности машин

Treier, Valfried 1953 [https://www.ester.ee/record=b1390118\\*est](https://www.ester.ee/record=b1390118*est) <https://digikogu.taltech.ee/et/Item/dff02fdb-d34f-4cec-b499-79914b7b82c8>

## Trends in positive and negative synergy at mechatronic systems

Tähemaa, Toivo Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 102-105 : ill

## Triple-triple redundant 777 primary flight computer

Tšertov, Anton A & A 2007 / 5, p. 38-47 : ill [https://artiklid.elnet.ee/record=b1021108\\*est](https://artiklid.elnet.ee/record=b1021108*est)

## Töökindlus ja ökonoomika

Sarapik, Lembit 1971 [https://www.ester.ee/record=b1336277\\*est](https://www.ester.ee/record=b1336277*est)

## Töökindluse ökonoomika probleem

Sarapik, Lembit Tehnika ja Tootmine 1968 / lk. 463-465 [https://www.ester.ee/record=b1073047\\*est](https://www.ester.ee/record=b1073047*est)

## Töökindlusest tehnikasajandil

Kleis, Ilmar Horisont 1985 / lk. 14-16 : fotod [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est) <https://www.digar.ee/arhiiv/et/periodika/70457>

## Understanding fault-tolerance vulnerabilities in advanced SoC FPGAs for critical applications

Cherezova, Natalia; Shibin, Konstantin; Jenihhin, Maksim; Jutman, Artur Microelectronics reliability 2023 / art. 115010, 10 p. : ill <https://doi.org/10.1016/j.microrel.2023.115010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Uuenduslik metoodika aitab võidelda elektrisüsteemi riketega

Andreesen, Guido novaator.err.ee 2024 [Uuenduslik metoodika aitab võidelda elektrisüsteemi riketega](#)

## Uuendusliku metoodikaga elektrisüsteemi rikete vastu

Andreesen, Guido TööstusEST 2024 / lk. 67 : portr [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

## Variations of power demand and wind power generation and their influence to the operation of power systems =

Elektritarbimise ja tuulegeneraatorite võimsuse muutused ja nende mõju elektrisüsteemi talitlusele

Kilk, Kalle 2009

## Wear-out failure analysis of an impedance-source PV microinverter based on system-level electrothermal modeling

Shen, Yanfeng; Chub, Andrii; Wang, Huai; Vinnikov, Dmitri; Liivik, Elizaveta; Blaabjerg, Frede IEEE transactions on industrial electronics 2019 / p. 3914-3927 <https://doi.org/10.1109/TIE.2018.2831643> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Wear-out failure analysis of solar optiverter operating with 60- and 72-cell Si crystalline PV modules

Liivik, Liisa; Chub, Andrii; Sangwongwanich, Ariya; Shen, Yanfeng; Vinnikov, Dmitri; Blaabjerg, Frede IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6134-6140 : ill <https://doi.org/10.1109/IECON.2018.8592925>

## Vigadetegemise uurimise küsimusi

Pavelson, Henno Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1989 / lk. 91-96

## Virtual laboratory for research in dependable microelectronics

Diener, Karl-Heinz; Elst, G.; Gramatova, Elena; Kuzmich, W.; Peng, Z.; Ubar, Raimund-Johannes The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 217-220 : ill

## Voltage withstand properties of the insulation of different types of medium voltage covered overhead line conductors

Kiitam, Ivar; Taklaja, Paul; Tuttelberg, Kaur 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 18-21 : ill <https://doi.org/10.1109/EPE.2018.8396011>

## Анализ надежности локомотивного транспорта шахты "Ахтме" с учетом фактора аварийности электровозов

Lauringson, Veljo Проблемы разработки месторождений полезных ископаемых Эстонской ССР 1988 / с. 24-32

## Анализ надежности сварных швов, работающих при переменных и ударных нагрузках : (на примере пассажирского паромы ESTONIA)

Ingerma, August; Stržak, Viktor 16th International Conference "Mathematical Modelling in Mechanics of Solids and Structures, Boundary and Finite Element Methods", June 1998, St. Petersburg, Russia. Vol. 1 1998 / p. 51-54 [p. 32-35]?

## Влияние гидродинамической неустойчивости на долговечность парогенерирующих труб в зоне кризиса кипения второго рода

**Klevtsov, Ivan** Исследование работы парогенераторов электростанций 1987 / с. 72-76

**Влияние контактных сопротивлений на перегрев тиристора в импульсном режиме**

**Nurste, Ivar**; Seleninov, Kazimir; **Freidin, Boris** Силовые быстродействующие полупроводниковые приборы : сборник статей. Часть II 1989 / с. 175-179 [https://www.ester.ee/record=b1264433\\*est](https://www.ester.ee/record=b1264433*est)

**Исследование некоторых вопросов определения области безотказной работы мощных транзисторов**

**Laansoo, Ants**; Männama, Vello; **Pikkov, Otto**; Järvalt, Aldur Силовые полупроводниковые приборы : сборник статей 1981 / с. 44-49 : ил [https://www.ester.ee/record=b1264428\\*est](https://www.ester.ee/record=b1264428*est)

**Исследование способов повышения надежности работы речных водозаборных сооружений в преддоставные периоды : автореферат ... кандидата технических наук (05.23.04)**

Abazajev, Mihhail 1978 [http://www.ester.ee/record=b1538607\\*est](http://www.ester.ee/record=b1538607*est)

**Исследование способов повышения надежности работы речных водозаборных сооружений в преддоставные периоды : диссертация ... кандидата технических наук**

Abazajev, Mihhail 1977 [http://www.ester.ee/record=b2356921\\*est](http://www.ester.ee/record=b2356921*est)

**Исследование устойчивости движения силовых гидроприводов**

**Dernovski, J.**; Papstel, Jüri; **Grossschmidt, Gunnar** X студенческая научно-техническая конференция высших учебных заведений Прибалтики, Белорусской ССР и Калининградской области : аннотации научных работ 1964 / с. 106 [https://www.ester.ee/record=b1749611\\*est](https://www.ester.ee/record=b1749611*est) <http://www.digar.ee/id/nlib-digar:376945>

**Исследование эксплуатационной надежности горного оборудования на карьере**

**Päsok, Robert** Труды по горному делу : сборник статей. 6 1972 / с. 7-12 : илл [https://www.ester.ee/record=b2190530\\*est](https://www.ester.ee/record=b2190530*est) <https://digikogu.taltech.ee/et/Item/6d110d4c-c936-43e2-9073-aef99f8686b9/>

**Исследование эксплуатационной стойкости железобетонных конструкций в животноводческих зданиях : автореферат ... кандидата технических наук (05.23.01)**

Miljan, Jaan 1979 [http://www.ester.ee/record=b1336819\\*est](http://www.ester.ee/record=b1336819*est)

**Исследование эксплуатационной стойкости железобетонных конструкций в животноводческих зданиях : диссертация ... кандидата технических наук : 05.23.01 строительные конструкции**

Miljan, Jaan 1978 [http://www.ester.ee/record=b2357168\\*est](http://www.ester.ee/record=b2357168*est)

**Исследование эксплуатационной стойкости железобетонных конструкций в животноводческих зданиях : диссертация ... кандидата технических наук : специальность 05.23.01**

Miljan, Jaan 1983 [http://www.ester.ee/record=b2411192\\*est](http://www.ester.ee/record=b2411192*est)

**К вопросу повышения надежности работы и увеличения срока службы топливной аппаратуры судовых дизелей**

**Soskind, Gennadi** Судовые силовые установки и судостроение : сборник статей. 2 1963 / с. 3-14 : илл [https://www.ester.ee/record=b2181958\\*est](https://www.ester.ee/record=b2181958*est) <https://digikogu.taltech.ee/et/Item/2c19b564-bed9-4888-84e1-a99c238759a7>

**Метод контроля работоспособности гармонического анализатора огибающей переменного тока**

**Talvik, K.**; Beljakov, V.; Nedosekin, D.; Nikitin, V Автоматические устройства учета и контроля 1973 / с. 92-95

**Надежность : методическое пособие. Часть 1, Надежность электрических аппаратов**

1989 [https://www.ester.ee/record=b1212342\\*est](https://www.ester.ee/record=b1212342*est)

**Надежность агрегатов автомобиля на примере Таллинского таксомоторного парка**

**Luukas, E.**; Kaldjärv, K.; **Reisberg, R.** XXVI студенческая научно-техническая конференция вузов Молдавской ССР, Белорусской ССР и Прибалтийских республик, 21-23 апреля 1982 года : тезисы докладов. Часть 2, Химия и технология, механика, строительство 1982 / с. 104 [https://www.ester.ee/record=b5165223\\*est](https://www.ester.ee/record=b5165223*est)

**Надежность изделий : схемы, рисунки и таблицы для специальности 0531**

1984 [https://www.ester.ee/record=b1408361\\*est](https://www.ester.ee/record=b1408361*est)

**Надежность опорно-штыревых изоляторов 10 кВ при импульсных воздействиях**

**Annus, Aleksander**; Kolker, D. Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : тезисы докладов симпозиума, 18-19 апреля 1989 года 1989 / с. 77-78 : таб [https://www.ester.ee/record=b1224711\\*est](https://www.ester.ee/record=b1224711*est)

**Надежность работы поверхностей нагрева водяных экономайзеров котлов ТП-67**

**Rootamm, Rein**; Õispuu, Leo; Rajur, Kaido; **Solovei, A.G.** Проблемы работы котельных установок тепловых электростанций 1985 / с. 61-72

#### **Надежность работы поверхностей нагрева, погруженных в кипящий слой**

**Rootamm, Rein; Õispuu, Leo; Randmann, Rein; Mäeküla, Oskar** Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том III, секция 2, Высокотемпературная коррозия износ и очистка поверхностей нагрева : тезисы докладов IV Всесоюзной конференции 1986 / с.127-132 : илл [https://www.ester.ee/record=b1217230\\*est](https://www.ester.ee/record=b1217230*est)

#### **Некоторые показатели работоспособности безвольфрамовых твердых сплавов "TiC-сталь"**

**Kübarsepp, Jakob; Rešetnjak, Heinrich** Твердосплавная штамповая оснастка в электромашиностроении : тезисы докладов V отраслевого научно-технического семинара 1987 / с. 56-58 : таб [https://www.ester.ee/record=b1272870\\*est](https://www.ester.ee/record=b1272870*est)

#### **Новый способ повышения работоспособности самосмазывающихся опор скольжения с пористыми подшипниками**

**Ajaots, Maido; Lees, Rein** Проектирование, изготовление, эксплуатация и диагностика узлов трения в машиностроении : тезисы всесоюзный научно-технической конференций (18-20 мая 1983 г., г. Рыбинск). Ч. 2 1983 / с. [9-11]

#### **О методике анализа надежности ЭВМ**

**Sarapik, Lembit** Труды экономического факультета. 14 1974 / с. 17-24 [https://www.ester.ee/record=b2190641\\*est](https://www.ester.ee/record=b2190641*est) <https://digikogu.taltech.ee/et/Item/dba4f900-e1c6-4738-a60d-c02f7ca603bf>

#### **О методике исследования и расчета долговечности машин и их деталей**

**Treier, Valfried** 1953 [https://www.ester.ee/record=b1393303\\*est](https://www.ester.ee/record=b1393303*est) <https://digikogu.taltech.ee/et/Item/756fb0fa-9460-4b9e-a894-fd580166aa16>

#### **Об одной проблеме конструирования: байесовский подход к расчету точности системы**

**Koort, Ants** Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 45-47 [https://www.ester.ee/record=b1322122\\*est](https://www.ester.ee/record=b1322122*est)

#### **Об оптимизации надежности по параметру релейной защиты**

**Möller, Kalju** Применение математических методов и вычислительных машин в энергетике : [Тезисы докладов Конференции] : [В 5 вып.] ; Вып.4 1968 / с. 27-29

#### **Обеспечение надежности крепления гребного винта БМРГ проект 394**

**Soskind, Gennadi; Strizak, Viktor** Судоремонт флота рыбной промышленности 1984 / с. 16-17

#### **Общая постановка задачи проектирования конструкции с оптимальной надежностью**

**Jõgi, Emma** Труды по строительной механике : сборник статей. 6 1975 / с. 3-18 : илл [https://www.ester.ee/record=b2190691\\*est](https://www.ester.ee/record=b2190691*est) <https://digikogu.taltech.ee/et/Item/817f11ea-2ed6-451f-8d77-f8d3240eb64f>

#### **Оценка влияния режимных параметров прямоточного парогенератора на теплообмен и долговечность металла в переходной зоне**

**Klevtsov, Ivan** Теплоэнергетика 1996 / 3, с. 68-70: ил

#### **Повышение надежности резьбовых соединений, работающих на циклическом растяжении**

**Meng, Valentin; Strizak, Viktor** Болтовые и специальные монтажные соединения в стальных строительных конструкциях : международный коллоквиум, СССР, Москва, 15-20 мая, 1989. ч. 2 1989 / с. 48-51

#### **Повышение надежности труб поверхностей нагрева с диффузионным покрытием при эксплуатационных испытаниях**

**Ots, Arvo; Suik, Heinrich; Touart, Raivo** Первый всесоюзный съезд технологов-машиностроителей, Москва, 13-18 ноября 1989 г. : Тезисы докладов 1989 / с. 149-150

#### **Повышение надежности фланцевых соединений, работающих на циклическое растяжение**

**Meng, Valentin; Strizak, Viktor** Болтовые и специальные монтажные соединения в стальных строительных конструкциях : Международный коллоквиум, СССР, Москва, 15-20 мая '89 Труды [В 3 т.]. Т. 2 1989 / с. 48-51

#### **Повышение работоспособности втулок цилиндров при ремонте дизелей**

**Strizak, Viktor; Soskind, Gennadi** Судоремонт флота рыбной промышленности 1987 / с. 19-20

#### **Пригласительный билет и программа симпозиума : теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью, 18-19 апреля 1989**

1989 [https://www.ester.ee/record=b5394985\\*est](https://www.ester.ee/record=b5394985*est)

#### **Приложение теории надежности к решению экстремальных задач строительной механики**

**Jõgi, Emma** VI всесоюзная конференция по экстремальным задачам и их приложениям, Таллин, 16-19 апреля 1973 г. : тезисы докладов, часть I 1973 / с. 146-147 [https://www.ester.ee/record=b1319925\\*est](https://www.ester.ee/record=b1319925*est)

#### **Приложение теории надежности к решению экстремальных задач строительной механики**

**Jõgi, Emma** Труды по строительной механике : сборник статей. 5 1974 / с. 3-10 [https://www.ester.ee/record=b2190653\\*est](https://www.ester.ee/record=b2190653*est)  
<https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

#### **Применение и развитие методов комплексной оптимизации управления, надежности и соответствующей сети координации на межгосударственных и региональных уровнях объединения энергосистем (ОЭС)**

**Krumm, Lembit** Методические вопросы исследования надежности больших систем энергетики. Вып. 60. Методы и средства исследования и обеспечения надежности систем энергетики 2010 / с. 398-408

#### **Применение метода статистических испытаний к исследованию устойчивости энергетических систем**

**Meldorf, Mati** Энергетические системы : сборник статей. 3 1969 / с. 31-38 [https://www.ester.ee/record=b2183089\\*est](https://www.ester.ee/record=b2183089*est)  
<https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

#### **Проблемы увеличения надежности и снижения себестоимости позиционных систем числового программного управления (ПЧПУ)**

**Reedik, Vello** Оптимизация производственных процессов машиностроительных заводов республики : республиканская научно-техническая конференция : [Таллин, 1970 21-23 октября] : расширенные тезисы докладов 1970 / с. 36-37  
[https://www.ester.ee/record=b1372140\\*est](https://www.ester.ee/record=b1372140*est)

#### **Проектирование систем минимальной массы как задача теории надежности**

**Jõgi, Emma** Межотраслевые вопросы строительства; 12 1972 / с. 24-27

#### **Пути повышения прочности и надежности резьбовых соединений**

**Meng, Valentin** Трибология и повышение ресурса двигателей : материалы докладов всесоюзной научно-технической конференции [20-22 сент. 1989 г.] 1990 / с. ?

#### **Пути увеличения эффективности и надежности работы аэрируемых очистных сооружений в малой канализации**

**Mölder, Heino** Материалы VI Всесоюзного симпозиума по современным проблемам самоочищения водоемов и регулирования качества воды, Таллин, 16-18 апреля 1979 года. IV секция, Доочистка сточных вод 1979 / с. 13-14  
[https://www.ester.ee/record=b1281836\\*est](https://www.ester.ee/record=b1281836*est)

#### **Работоспособность резьбовых соединений из пластмасс**

**Meng, Valentin; Strizak, Viktor; Ševtšenko, J.P.** Долговечность, расчет и конструирование деталей и узлов машин и технологического оборудования 1985 / с. 9-15

#### **Развитие методов комплексной оптимизации управления и надежности функционирования объединений энергосистем (оэс) на межгосударственных и региональных уровнях в условиях свободного рынка, а также соответствующей сети координирующих диспетчерских центров**

**Krumm, Lembit** Сборник статей : методические вопросы исследования надежности больших систем энергетики (БСЭ). Математические модели и методы исследования надежности либерализованных систем энергетики. 58 2007 / ? с

#### **Разработка устройства и методики для исследования влияния конструкции на работоспособность резьбовых соединений**

**Gridtšin, A.; Matselepa, B.; Matselepa, T.; Meng, Valentin; Strizak, Viktor** XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 113 [https://www.ester.ee/record=b1322629\\*est](https://www.ester.ee/record=b1322629*est)

#### **Распределение нагрузки по виткам пластмассовых резьбовых деталей при вибрационных нагрузках**

**Meng, Valentin; Strizak, Viktor; Ševtšenko, J. P.** Проблемы прочности : международный научно-технический журнал = Strength of materials : the international journal 1978 / с. 90-92 : ил [https://www.ester.ee/record=b1579317\\*est](https://www.ester.ee/record=b1579317*est)

#### **Самосмазывающиеся пористые подшипники скольжения с повышенной работоспособностью**

**Ajaots, Mairo; Lees, Rein** Триботехника - машиностроению : тезисы докладов II всесоюзной научно-технической конференции (г. Пушкино-на-Оке, ноябрь 1983 г.) 1983 / с. 120-121

#### **Самосмазывающиеся пористые подшипники скольжения с повышенной работоспособностью**

**Ajaots, Mairo; Lees, Rein** Трение и износ = Friction and Wear : международный научный журнал 1985 / с. 347-351 : ил [https://www.ester.ee/record=b1312784\\*est](https://www.ester.ee/record=b1312784*est)

#### **Снижение агрессивности продуктов сгорания в промышленных газомазутных котлах для повышения надежности их работы : автореферат ... кандидата технических наук (05.04.01)**

**Krupnov, Valeri** 1988 [http://www.ester.ee/record=b2339680\\*est](http://www.ester.ee/record=b2339680*est)

#### **Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : тезисы докладов симпозиума, 18-19 апреля 1989**

1989 [https://www.ester.ee/record=b1224711\\*est](https://www.ester.ee/record=b1224711*est)

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью (симпозиум секции IV "Теоретические проблемы электрофизики высоких напряжений" Научного Совета АН СССР по комплексной проблеме "Научные основы электрофизики и электроэнергетики", апрель 1989 г., Таллинн)**

Bogatenkov, I.; Metusala, Tiit; Oidram, Rein; Halilov, F. Электричество : ежемесячный теоретический и научно-практический журнал 1989 / с. 89-92 [https://www.ester.ee/record=b2160063\\*est](https://www.ester.ee/record=b2160063*est)

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной нейтралью (заседание секции IV АН СССР)**

Bogatenkov, I.; Halilov, F.; Oidram, Rein Электричество : ежемесячный теоретический и научно-практический журнал 1982 / с. 74-75 [https://www.ester.ee/record=b2160063\\*est](https://www.ester.ee/record=b2160063*est)

**Характеристики надежности в строительной механике оптимальных систем**

Jõgi, Emma Труды по строительной механике : сборник статей. 7 1976 / с. 3-12 : илл [https://www.ester.ee/record=b2190752\\*est](https://www.ester.ee/record=b2190752*est)  
<https://digikogu.taltech.ee/et/Item/f6a690f4-3c09-4e01-8a66-8a313dea9f38>

**Характеристики эксплуатационной надежности драглайнов ЭШ-20/75**

Päsok, Robert Добыча угля открытым способом 1975 / с. 16-18

**Эксплуатационная надежность труб из стали 12ХИМФ с хромовым покрытием в экране котла, сжигающего экибастузский уголь**

Suik, Heinrich; Suurkuusk, Tõnu; Kask, Ülo Исследование работы парогенераторов электростанций 1988 / с. 62-70

**Эксплуатационная надежность труб с хромовым покрытием при сжигании эстонских сланцев**

Suik, Heinrich; Randmann, Rein; Kask, Ülo; Sammelselg, V.; Siirde, Andres Проблемы работы котельных установок тепловых электростанций 1989 / с. 3-12

**Эксплуатационная надежность хромированных труб в подшлаковой ванне котла ПК-38 при сжигании назаровского угля**

Suik, Heinrich; Randmann, Rein; Kask, Ülo Tallinna Tehnikaülikooli Toimetised 1990 / lk. 30-39: ill