

Artificial intelligence in monitoring and diagnostics of electrical energy conversion systems

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

Assessment of along-normal uncertainties for application to terrestrial laser scanning surveys of engineering structures

Mill, Tarvo; Ellmann, Artu Survey review 2019 / p. 1-16 : ill <https://doi.org/10.1080/00396265.2017.1361565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated design error debug using high-level decision diagrams and mutation operators

Raik, Jaan; Repinski, Urmis; Tšepurov, Anton; Hantson, Hanno; Ubar, Raimund-Johannes; Jenihhin, Maksim Microprocessors and microsystems 2013 / p. 505-513 : ill

Automated design error localization in RTL designs

Jenihhin, Maksim; Tšepurov, Anton; Tihhomirov, Valentin; Raik, Jaan; Hantson, Hanno; Ubar, Raimund-Johannes; Bartsch, Günter; Meza Escobar, Jorge Hernan; Wuttke, Heinz-Dietrich IEEE design & test of computers 2014 / p. 83-92 : ill <http://dx.doi.org/10.1109/MDAT.2013.2271420>

Automatic diagnosis of simple design errors

Ubar, Raimund-Johannes; Borriore, Dominique TIMA annual report 1998 1999 / p. 97-98

Automatic diagnosis of simple design errors

Ubar, Raimund-Johannes; Borriore, Dominique Techniques of Informatics and Microelectronics for Computer Architecture 1999 / p. 91

Bearing fault analysis of BLDC motor for electric scooter application

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Rassõlkin, Anton; Kallaste, Ants; Lukichev, Dmitry Designs 2020 / art. 42, 18 p. : ill <https://doi.org/10.3390/designs4040042> [Journal metrics at Scopus](#) [Article at Scopus](#)

Biasing error correction in averaging current-mode rectifiers

Männama, Vello; Wilson, Brett Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 135-143 : ill

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

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

Boolean fault diagnosis with structurally synthesized BDDs

Ubar, Raimund-Johannes Recent progress in the Boolean domain 2014 / p. 303-331 : ill

Challenges of reliability assessment and enhancement in autonomous systems

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

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>

Comprehensive computations of the response of faulty cage induction machines

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

Defects, faults and fault models

Gramatova, Elena; Fisherova, Maria; Ubar, Raimund-Johannes; Pleskacz, Witold A. Handbook of testing electronic systems 2005 / p. 26-96 : ill

DefSim: CMOS defects on chip for research and education

Pleskacz, Witold A.; Borejko, Tomasz; Walkanis, A.; Stopjakova, Viera; Jutman, Artur; Ubar, Raimund-Johannes 7th IEEE Latin American Test Workshop LATW'06 : Buenos Aires, Argentina, March 26th-29th, 2006 : proceedings 2006 / p. 74-79 : ill

DefSim: measurement environment for CMOS defects

Borejko, Tomasz; Jutman, Artur; Pleskacz, Witold A.; **Ubar, Raimund-Johannes** 2006 25th International Conference on Microelectronics : Belgrade, Serbia and Montenegro, 14-17 May 2006 : proceedings. Volume 2 2006 / p. 679-682 <https://ieeexplore.ieee.org/document/1651048>

Digital Twin of Wind Generator for Modelling Various Turbine Characteristics

Raja, Hadi Ashraf; Autou, Siarhei; Kudelina, Karolina; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang 2023 International Conference on Electrical Drives and Power Electronics (EDPE) 2023 / p. 1-5
<https://doi.org/10.1109/EDPE58625.2023.10274050>

Early RTL analysis for SCA vulnerability in fuzzy extractors of memory-based PUF enabled devices

Lai, Xinhui; Jenihhin, Maksim; Selims, Georgios arXiv.org 2020 / 6 p. : ill <https://doi.org/10.48550/arXiv.2008.08409>
<https://arxiv.org/abs/2008.08409>

Ehitamise ja ehitiste hooldamise vigadest

Õiger, Karl Tehnika ja Tootmine 1983 / lk. 17-19 https://www.ester.ee/record=b1073047*est

Ehitusvead kollitavad ka uuselamuid : [sisaldab K.Õigeri kommentaari]

Õiger, Karl; Tamm, Liivi Äripäev 2004 / 27. okt., lk. 16 <https://www.aripeev.ee/uudised/2004/10/26/ehitusvead-kollitavad-ka-uuselamuid>

Eksperthindab kaubamaja tunneli tilkumise pisiveaks : [Vello Otsmaa jt. kommentaaridega]

Alas, Askur; Otsmaa, Vello Eesti Päevaleht 2002 / 25. okt., lk. 2 <https://epl.delfi.ee/artikkel/50937489/eksperthindab-kaubamaja-tunneli-tilkumise-pisiveaks>

Enabling cross-layer reliability and functional safety assessment through ML-based compact models

Alexandrescu, Dan; Balakrishnan, Aneesh; Lange, Thomas; Glorieux, Maximilien Proceedings : 2020 26th IEEE International Symposium on On-Line Testing and Robust System Design : IOLTS 2020, Napoli, Italy, July 13-16, 2020 : virtual edition 2020 / 6 p. : ill <https://doi.org/10.1109/IOLTS50870.2020.9159750>

Error sources in analog ASICs and ways for their minimization

Mihhailov, Juri International journal of engineering and applied sciences (EAAS) 2013 / p. 32-41 : ill

"Estonia" hukutasid konstrueerimisvead

Tiidemann, Tiit Sõnumileht 1999 / lk. 2

Experimental analysis of end mill axis inclination and its influence on 3D areal surface texture parameters

Logins, Andris; Rosado Castellano, Pedro; Torims, Toms; Gutierrez, Santiago C.; Sergejev, Fjodor Proceedings of the Estonian Academy of Sciences 2017 / p. 194-201 : ill <https://doi.org/10.3176/proc.2017.2.09> http://www.ester.ee/record=b2355998*est

Explainable AI based fault detection and diagnosis system for air handling units

Belikov, Juri; Meas, Molika; Machlev, Ram; Köse, Ahmet; Tepljakov, Aleksei; Loo, Lauri; Petlenkov, Eduard; Levron, Yoash Proceedings of the 19th International Conference on Informatics in Control, Automation and Robotics - ICINCO, 2022, Lisbon, Portugal 2022 / p. 271-279 <https://doi.org/10.5220/0011350000003271>

Facebooki, Instagrami ja Whatsappi tabas tohutu ülemaailmne rike [Võrguväljaanne]

ohtuleht.ee 2021 ["Facebooki, Instagrami ja Whatsappi tabas tohutu ülemaailmne rike"](https://www.ohtuleht.ee/2021/01/07/facebooki-instagrami-ja-whatsappi-tabas-tohutu-ulemaailmne-riike)

Fault collapsing in digital circuits using fast fault dominance and equivalence analysis with SSBDDs

Ubar, Raimund-Johannes; Jürimägi, Lembit; Orasson, Elmet; Raik, Jaan VLSI-SoC : Design for Reliability, Security, and Low Power : 23rd IFIP WG 10.5/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2015 Daejeon, Korea, October 5-7, 2015 : revised selected papers 2016 / p. 23-45 : ill http://dx.doi.org/10.1007/978-3-319-46097-0_2

Fault oriented test pattern generation for sequential circuits using genetic algorithms

Ivask, Eero; Raik, Jaan; Ubar, Raimund-Johannes IEEE European Test Workshop 2000 / p. 319-320

Fault-tolerant control allocation for a bio-inspired underactuated AUV in the presence of actuator failures : design and experiments

Remmas, Mohamed Walid; Chemori, Ahmed; Kruusmaa, Maarja Ocean engineering 2023 / art. 115327, 12 p. : ill <https://doi.org/10.1016/j.oceaneng.2023.115327>

Füüsikaliste suuruste mõõtmisvigadest : (metoodiline juhend)

1970 https://www.ester.ee/record=b1339474*est

Genetic approximations for the failure-free security games

Lenin, Aleksandr; Willemson, Jan; Charnamord, Anton Decision and game theory for security : 6th International Conference, GameSec 2015, London, UK, November 4-5, 2015 : proceedings 2015 / p. 311-321 : ill http://dx.doi.org/10.1007/978-3-319-25594-1_17

Heat pump induction motor faults caused by soft starter topology — case study

Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Hyunh, Van Khang 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. 454-459 : ill <https://doi.org/10.1109/PEMC48073.2021.9432506>

A hierarchical approach for devising area efficient concurrent online checkers

Niazmand, Behrad; Azad, Siavoosh Payandeh; Ghasempouri, Tara; Raik, Jaan; Jervan, Gert Proceedings 2nd IEEE International Test Conference in Asia : ITC-Asia 2018, 15-17 August 2018, Harbin, China 2018 / p. 139-144 : ill <https://doi.org/10.1109/ITC-Asia.2018.00034>

High-Level Implementation-Independent Functional Software-Based Self-Test for RISC Processors

Oyeniran, Adeboye Stephen; Ubar, Raimund-Johannes; Jenihhin, Maksim; Raik, Jaan Journal of electronic testing : theory and applications 2020 / p. 87-103 <https://doi.org/10.1007/s10836-020-05856-7>

Improved diagnostic approach for BRB detection and classification in inverter-driven induction motors employing sparse stacked autoencoder (SSAE) and lightGBM

Khan, Muhammad Amir; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants Electronics (Switzerland) 2024 / art. 1292 <https://doi.org/10.3390/electronics13071292>

Independent interactive testing of interactive relational systems

Lohk, Ahti; Võhandu, Leo Man-machine interactions 3 2014 / p. 63-70

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 different tooth belt transmission faults on the work of a cartesian robot

Autsoo, Siarhei; Vaimann, Toomas; Rassõlkin, Anton; Kudelina, Karolina; Asad, Bilal Proceedings of the 2022 20th International Conference on Mechatronics - Mechatronika, (ME), Pilsen, Czech Republic, December 7–9, 2022 / 5 p. : ill <https://doi.org/10.1109/ME54704.2022.9982815>

Joonelis-nurgalise vastulõike täpsusest

Kala, Vello; Ustinova, Nelli Geodeet 2019 / lk. 39-43 : ill http://www.ester.ee/record=b1072198*est

Juhuvead lausintegraallülitustes

Toomsalu, Arvo A & A 2007 / 1, lk. 8-21

Katkiste ratastega vankri ostnud pere seljatas kaupluse : [TTÜ katsekoja poolt tehtud ekspertiis tõestas lapsevankri konstruktsiooni puudusi]

Ilisson, Airi Eesti Päevaleht 2004 / 19. veebr., lk. 6 : fot <https://epl.delfi.ee/artikkel/50977019/katkiste-ratastega-vankri-ostnud-pere-seljatas-kaupluse>

Katuste projekteerimisel, ehitamisel ja ekspluateerimisel esinevatest vigadest

Õiger, Karl Ehituskaar 2002 / 2, lk. 10-15 : fot

Kaubamaja tunneli tilkumine on paratamatus : [Vello Otsmaa seisukoht]

Alas, Askur; Otsmaa, Vello Eesti Päevaleht 2002 / 29. okt., lk. 4 : fot <https://epl.delfi.ee/artikkel/50937775/kaubamaja-tunneli-tilkumine-on-paratamatus>

Kelle süül juhtuvad vead ehituses? [Võrguväljaanne]

Leet, Lauri ehitusuudised.ee 2021 ["Kelle süül juhtuvad vead ehituses?"](https://ehitusuudised.ee/2021/04/05/kelle-syul-juhtuvad-vead-ehituses/)

Kiire ehitustempo toob vead välja pahatihti pärast sissekolimist : [arvamust avaldab K.Õiger]

Õiger, Karl; Sultson, Siim Äripäev 2006 / 11. jaan., lk. 14 <http://www.olanex.ee/index.php?page=kiire-ehitustempo-toob-vead-valja-pahatihti-parast-sissekolimist>

Lamekatuste ehituses palju vigu : [Karl Õiger ja Erkki Vihula lamekatuste ehitamisest]

Õiger, Karl; Vihula, Erkki; Raud, Monica Äripäev 2005 / 6. apr., lk. 13 <https://www.aripaev.ee/uudised/2005/04/05/lamekatuste-ehituses-palju-vigu>

Londoni kiirabi automaatse edastussüsteemi läbikukkumine 1992. aastal

Nestor, Triin A & A 2007 / 5, lk. 18-27 https://artiklid.elnet.ee/record=b1021106*est

Machine learning enabled fault-detection algorithms for optical spectrum-as-a-service users

Patri, Sai Kireet; Dick, Isabella; Kaeval, Kaida; Müller, Jasper; Pedreno-Manresa, Jose-Juan; Autenrieth, Achim; Elbers, Jörg-Peter; Tikas, Marko; Mas-Machuca, Carmen 2023 International Conference on Optical Network Design and Modeling (ONDM) : proceedings 2023 / 6 p. : ill <https://ieeexplore.ieee.org/document/10144858>

Machine learning to tackle the challenges of transient and soft errors in complex circuits

Lange, Thomas; Balakrishnan, Aneesh; Glorieux, Maximilien; Alexandrescu, Dan; Sterpone, Luca 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS), 1-3 July 2019, Greece 2019 / p. 7-14 : ill

<https://doi.org/10.1109/IOLTS.2019.8854423>

Metallide sulakeevitusvigade liigitus
Üksti, Lembit; Kompus, Valdo 1997

A method for assessment of the general circulation model quality using the K-means clustering algorithm : a case study with GETM v2.5

Raudsepp, Urmas; Maljutenko, Ilja Geoscientific model development 2022 / p. 535-551 <https://doi.org/10.5194/gmd-15-535-2022>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal methods at WOS](#) [Article at WOS](#)

Misused timber in renovation

Alev, Üllar 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 110-117 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>

Mittekorrektsed ülesanded telekommunikatsioonis

Raja, Aimur Raadiotehnika 2005 : XII rahvusvahelise telekommunikatsioonipäeva materjalid 2005 / lk. 59-68

Model-based verification with error localization and error correction for C designs

Repinski, Urmas Программные продукты и системы = Programmye produkty i sistemy = Software & systems 2012 / p. 221-229 : ill

Modeling soft-error reliability under variability

Balakrishnan, Aneesh; Cardoso Medeiros, Guilherme; Gürsoy, Cemil Cem; Hamdioui, Said; **Jenihhin, Maksim;** Alexandrescu, Dan 2021 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) : 6-8 Oct. 2021 2021 / p. 1-6 <https://doi.org/10.1109/DFT52944.2021.9568295>

Modelling construction process impact factors on degradation of thin rendered facades = Ehitusprotsessi mõjufaktorite modelleerimine õhekrohv fassaadide lagunemisel = Methode zur Bewertung der Relevanz von beeinflussenden Faktoren im Bauprozess auf die Mängelfreiheit von Wärmedämmverbundsystemen

Sulakatko, Virgo 2019 <https://digi.lib.ttu.ee/i/?11575>

Modified winding function-based model of squirrel cage induction motor for fault diagnostics

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed IET electric power applications 2020 / p. 1722-1734 <https://doi.org/10.1049/iet-epa.2019.1002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiple fault analyses in logic circuits

Ubar, Raimund-Johannes IFAC-Symposium Discrete Systems : Dresden, 14.-19. 3. 77 1977 / p. [?]

Multiple fault diagnosis with BDD based Boolean differential equations

Ubar, Raimund-Johannes; Raik, Jaan; Kostin, Sergei; Kõusaar, Jaak BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 77-80 : ill

Multi-sensor fault diagnosis of induction motors using random forests and support vector machine

Saberi, Alireza Nemat; Sandirasegaram, Sarvavignoban; Belahcen, Anouar; Vaimann, Toomas; Sobra, Jan 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1404-1410 <https://doi.org/10.1109/ICEM49940.2020.9270689>

Mutations for testing hardware and correcting design errors

Hantson, Hanno Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 105-108 : ill

Möödunud külm talv tõi ehitusvead välja

Sasi, Lennart Äripäev 2003 / 7. mai, lk. 13 <https://www.aripaev.ee/uudised/2003/05/06/moodunud-kulm-talv-toi-ehitusvead-valja>

Neutron batch size optimisation methodology for Monte Carlo criticality calculations

Tuttelberg, Kaur; Dufek, Jan Annals of nuclear energy 2015 / p. 620-626 : ill <http://dx.doi.org/10.1016/j.anucene.2014.09.011>

NOC mapping and scheduling

Nikiforov, Deniss Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 73-78 : ill

On query-based search of possible design flaws of SQL databases

Eessaar, Erki Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 53-60 http://dx.doi.org/10.1007/978-3-319-06773-5_8

On the erroneous identification of a turiniid thelodont in the Middle/Upper Devonian boundary beds of the Middle Urals
Märss, Tiit; Ivanov, Alexander Acta Geologica Polonica 2018 / p. 455 <https://geojournals.pgi.gov.pl/agp/article/view/26057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the estimation of complex circuits functional failure rate by machine learning techniques

Lange, Thomas; **Balakrishnan, Aneesh;** Glorieux, Maximilien; Alexandrescu, Dan; Sterpone, Luca 49th Annual IEEE/IFIP International Conference on Dependable Systems and Networks - DSN 2019 : Supplemental Volume : proceedings 2019 / p. 35-41 : ill <https://doi.org/10.1109/DSN-S.2019.00021>

Optimierte Steuerung der Fehlersuche auf digitalen Leiterplatten

Thomä, E.; **Ubar, Raimund-Johannes** Proceedings of the 27th International Conference, Technical University of Ilmenau, October, 1982 1982 / p. 65-68

An overview of fuzzy logic approaches for fault diagnosis in energy conversion devices

Demidova, Galina; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants; Zakis, Janis; Suzdalenko, Alexander 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 7 p <https://doi.org/10.1109/IWED52055.2021.9376389>

Papiniidu sild varises ehitusvea tõttu : [sillale ekspertiisi teinud Väino Voltri kommentaaridega]

Link, Eno-Gerit; **Voltri, Väino** Pärnu Postimees 2002 / 6. märts, lk. 1 <https://parnu.postimees.ee/2350057/papiniidu-sild-varises-ehitusvea-tottu>

Probability of error for phase shift keying systems

Raja, Aimur Ringhääling 2003 : X rahvusvahelise telekommunikatsioonipäeva materjalid 2003 / p. 79-82

Põhilised vead saksa keele sisseastumistestides (1995. a.)

Lepp, Maie Tehnikaülikool 1996 / 19. jaan., lk. 4

Põhilised vead sisekontrolli tehes

Kempinen, Marina Eesti Töötervishoid 2005 / 2, lk. 7

Põhjendamatu laristamine : [liberaalse poliitika vigadest Eestis]

Parts, Oliver Eesti Päevaleht 2001 / 9. juuli, lk. 11

Päästmise tüüpvigadest püstolist kiirlaskmisel

Selg, H. 26. vabariikliku teaduslik-metoodilise konverentsi "Üliõpilaste kehaline kasvatus ja üliõpilassport - mis saab edasi?" teesid, 13. detsembril 1991 1991 / lk. 35-37

Raport: TTÜ-s on süsteemseid puudujääke

Laine, Martin Eesti Päevaleht 2020 / Lk. 7 https://www.ester.ee/record=b1072079*est

Removing design errors from digital circuits

Ubar, Raimund-Johannes Proc. of the 4th International Conference on New Information Technologies. Vol. 1 2000 / p. 118-125

Representing gate-level SET faults by multiple SEU faults on RT-level

Bagbaba, Ahmet Cagri; Jenihhin, Maksim; Ubar, Raimund-Johannes; Sauer, Christian 2020 IEEE 26th International Symposium on On-Line Testing and Robust System Design (IOLTS), 13-15 July 2020 : proceedings 2020 / art. 19889351, 6 p. : ill <https://doi.org/10.1109/IOLTS50870.2020.9159715>

Requirements to data acquisition and signal analysis for electrical grid condition monitoring

Anijärv, Toomas Erik; Shabbir, Noman; Kütt, Lauri; Iqbal, Muhammad Naveed 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 <https://doi.org/10.1109/RTUCON51174.2020.9316487>

Sammas : TTÜ professor Karl Õiger uurib süvitsi vabadussammast, mis on korduvalt läbi põlenud : [Liis Treimanni foto]

Eesti pressifoto 2010 = Estonian Press photography 2010 2011 / lk. 15

Scenario oriented model-based testing = Stsenaariumjuhitud mudelipõhine testimine

Halling, Evelin 2019 <https://digi.lib.ttu.ee/i/?11943>

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>

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>

Single gate design error diagnosis in combinational circuits

Ubar, Raimund-Johannes; Borrione, Dominique Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 1, p. 3-21: ill https://artiklid.elnet.ee/record=b1000315*est

Spatial representation of self-driving vehicle for virtual entity of digital twin

Rassõlkin, Anton; Maksimkins, Pavels; Stupans, Andrejs; **Rjabtšikov, Viktor;** Šenfelds, Armands; **Kuts, Vladimir** Computer 2024 / p. 58-66 <https://doi.org/10.1109/MC.2023.3319108>

State-of-the-Art techniques for fault diagnosis in electrical machines: Advancements and future directions

Akbar, Siddique; Vaimann, Toomas; Asad, Bilal; Kallaste, Ants; Sardar, Muhammad Usman; Kudelina, Karolina Energies 2023 / Art. 6345 <https://doi.org/10.3390/en16176345>

Study of point defects in wide- bandgap Cu₂CdGeS₄ microcrystals by temperature and laser power dependent photoluminescence spectroscopy

Krustok, Jüri; Raadik, Taavi; Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Oueslati, Souhaib; Grossberg, Maarja Journal of physics D : applied physics 2020 / 10 p. : ill <https://doi.org/10.1088/1361-6463/ab83c1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Süntaksvigade lokaliseerimine, parandamine ja sekundaarsete vigade elimineerimine segastrateegiaga eelnevusanalüüsis

Rohtla, Hanno; Lindemann, P.; Vooglaid, Aare XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 147 https://www.ester.ee/record=b2449987*est

Tehnoloogia usaldamisest

Ubar, Raimund-Johannes Horisont 2011 / 5, lk. 10-19 : ill https://artiklid.elnet.ee/record=b2427737*est

Tehnovõrguandmete vigadel on teedeehituses kõrge hind

Künnapuu, Andre Teeleht 2020 / lk. 28-29 : fot https://www.mnt.ee/sites/default/files/road_paper_pdf/teeleht_nr_102_veeb.pdf <https://digikogu.taltech.ee/et/Download/d0c3f666-7ff3-41fe-b311-6d29d86a7187>

Test generation techniques and algorithms

Ubar, Raimund-Johannes; Gramatova, Elena; Fisherova, Maria Handbook of testing electronic systems 2005 / p. 99-173 : ill

The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed Applied sciences 2020 / art. 7572, 15 p. : ill <https://doi.org/10.3390/app10217572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed Advances in machine fault diagnosis 2022 / p. 27-41 <https://doi.org/10.3390/app10217572>

The low voltage start-up test of induction motor for the detection of broken bars

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Heidari, Hamidreza 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1481-1487 <https://doi.org/10.1109/ICEM49940.2020.9271018>

The role of consumer engagement in recovering online service failures : an application of service-dominant logic

Islam, Jamid Ul; Rahman, Zillur; **Hollebeek, Linda Desiree** Handbook of research on customer engagement 2019 / p. 456-469 : ill <https://doi.org/10.4337/9781788114899.00030>

Towards an adaptive h-type procedure using recovery based estimators

Ziukas, S.; Wiberg, Nils-Erik Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 210-213: ill

Trends and challenges in intelligent condition monitoring of electrical machines using machine learning

Kudelina, Karolina; Vaimann, Toomas; Asad, Bilal; Rassõlkin, Anton; Kallaste, Ants; Demidova, Galina Applied sciences 2021 / art. 2761, 19 p. : ill <https://doi.org/10.3390/app11062761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Trends and challenges in intelligent condition monitoring of electrical machines using machine learning

Kudelina, Karolina; Vaimann, Toomas; Asad, Bilal; Rassõlkin, Anton; Kallaste, Ants; Demidova, Galina Advances in machine

Troubleshooting and debugging functions

Ruban, Olga; Laugis, Juhan 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 216-221 : ill

TTÜ rikkumine oli lubamatu

Lomp, Looa-Elisabet Postimees 2020 / Lk. 7 : fot https://www.ester.ee/record=b1072778*est <https://leht.postimees.ee/6914078/repst-ttu-rikkumine-oli-oilis-ent-lubamatu>

Tõlkevead võivad ohustada tervist : [Tiiu Liebert toiduainete pakendi tooteinfo tõlkevigadest]

Liebert, Tiiu; Kirss, Kristel Sõnumileht 1999 / 20. jaan., lk. 13

Tüüpilisi vigu ventilatsioonisüsteemide rajamisel

Parre, Peeter Keskkonnatehnika 2007 / 6, lk. 34, 36

Use of formal methods for verification and optimization of fault lists in the scope of ISO26262

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Hamdioui, Said; Sauer, Christian 2018 Design and Verification Conference (DVCON) Europe : [proceedings] 2018 / 6 p. : ill <https://repository.tudelft.nl/islandora/object/uuid%3Adbd7f22d-0324-45f5-9180-8fe3fc95a9ce>

Vektorielle alternative graphen und Fehlerdiagnose für digitale Systeme

Ubar, Raimund-Johannes Nachrichtentechnik, Elektronik : technisch-wissenschaftliche Zeitschrift für die gesamte elektronische Nachrichtentechnik 1981 / p. 25-28 : ill https://www.ester.ee/record=b1550811*est

What can go wrong while delivering democratic elections beside a hacker attack? [Online resource]

Krivosova, Iuliia medium.com 2018 / phot <https://medium.com/@juliakrivosova/what-can-go-wrong-while-delivering-democratic-elections-beside-a-hacker-attack-6e5d1a1b6a20>

Viperusi rubriigis "Arvutid"

Agur, Ustus Nõukogude Õpetaja : Eesti NSV Riikliku Hariduskomitee ning Haridus- ja Teadustöötajate Ametiühingu Eesti Vabariikliku Komitee häälekandja 1985 / lk. 3 https://www.ester.ee/record=b1237176*est
<https://dea.digar.ee/page/noukogudeopetaja/1985/10/26/3>

Верификация на основе симуляции с нахождением и исправлением ошибок для С-дизайнов

Repinski, Urmaz Программные продукты и системы = Programmnye produkty i sistemy = Software & systems 2012 / с. 229-237 : ил

Достоверность диагностирования как один из факторов повышения безопасности дорожного движения

Соколов В.С.; Иванов С.Е. Научная конференция " Безопасность движения", Таллинн, 14-15 ноября 1990 г. : тезисы 1990 / с. 198

Замечание об оценке ошибки формул интегрирования

Levin, Meiše Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1974 / lk. 176-178
https://www.ester.ee/record=b1264310*est

Коррекция погрешностей преобразователя мгновенной мощности

Järvalt, Aldur-Eduard Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 93-97 : илл
https://www.ester.ee/record=b2190710*est <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

О погрешности измерения эквивалентных источников шума

Tammet, Heinar Труды по радиотехнике. 3 1976 / с. 19-21 : илл https://www.ester.ee/record=b2190765*est
<https://digikogu.taltech.ee/et/Item/051089c8-3240-47a7-84ae-2e65ba92e5fb>

О среднеквадратической ошибке для одного вида сращенных функций

Levina, Mirjam Математика и теоретическая механика : сборник статей. 5 1970 / с. 11-14 https://www.ester.ee/record=b2189972*est
<https://digikogu.taltech.ee/et/Item/3c00e8d1-e734-4bf3-b2a0-e0081b3050d2/>

Об интерпретативном моделировании неисправностей в комбинационных логистических схемах

Viilup, Agu; Kitsnik, Peeter; Ubar, Raimund-Johannes Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 79-88 : илл https://www.ester.ee/record=b2190624*est <https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996>

Об ошибках в поиске метода определения эффективности кредита

Loov, Eugenia; Mereste, Uno Теория организации, учет и анализ. 3 1970 / с. 71-77 https://www.ester.ee/record=b1391918*est
<https://digikogu.taltech.ee/et/Item/01aefe78-d9de-47e5-bfa0-13d3366095ae>

Определение вероятности ошибки с помощью моментов распределения замираний сигнала

Taklaja, Andres Теоретические основы методов и приборов измерения параметров слабых сигналов 1977 / с. 51-53
https://www.ester.ee/record=b1310662*est <https://digikogu.taltech.ee/et/Item/7121b5da-f4d1-474c-af67-2e0600ba0e11>

Отремонтированная прошлым летом улица Кеск в Силламяэ покрылась трещинами [online resource]

rus.err.ee 2021 "[Отремонтированная прошлым летом улица Кеск в Силламяэ покрылась трещинами](#)"

Поиск неисправностей в цифровых схемах в режиме диалога

Ubar, Raimund-Johannes Вопросы технической диагностики : [межвузовский сборник] 1980 / с. 76-85
https://www.ester.ee/record=b4430898*est

Приближенная оценка погрешности детектора действующих значений со скользящим смещением от формы кривой измеряемого напряжения

Tamm, Uljas Труды по электротехнике и автоматике : сборник статей. 8 1970 / с. 3-11 : илл
https://www.ester.ee/record=b2189971*est <https://digikogu.taltech.ee/et/Item/f65c4042-b55d-4b5b-b9b9-8a70cac2957d/>

Производственные погрешности механической обработки валов

Treier, Paul Сборник статей по машиностроению. 10 1973 / с. 13-21 : илл https://www.ester.ee/record=b2190574*est
<https://digikogu.taltech.ee/et/Item/a7f5ebd7-c6b7-4fb4-a240-5b804ac66d38>

Самоулучшающийся метод исправления синтаксических ошибок

Rohtla, Hanno; Vöhandu, Leo Автоматизация производства пакетов прикладных программ : (автоматизация производства трансляторов) : тезисы докладов [всесоюзного одноименного семинара, 1980] 1980 / с. 66-70
https://www.ester.ee/record=b1276160*est

Случайные ошибки при определении БПК

Plats, Rein Сборник статей по санитарной технике. 4 1967 / с. 3-6 : илл https://www.ester.ee/record=b2085120*est
<https://digikogu.taltech.ee/et/Item/70078b22-eb0f-463d-b740-5f540d9bbb18>

Уменьшение аппаратурных погрешностей в периодонечувствительных оценивателях эффективного значения сигнала

Martverk, Peep; Raja, Aimur Методы и алгоритмы цифровой обработки сигналов 1988 / с. 13-16
https://www.ester.ee/record=b1292907*est