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

Adjusted electrical equivalent circuit model of induction motor with broken rotor bars
Rassõlkin, Anton; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; Petrov, Aleksei; Plokhov, Igor; Kotelnikov, Aleksandr PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 213-218 : ill https://doi.org/10.1109/PQ.2016.7724115

Adjusted electrical equivalent circuit model of induction motor with broken rotor bars and eccentricity faults
Petrov, Aleksei; Plokhov, Igor; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants**; **Belahcen, Anouar** Proceeding of the 2017 IEEE 11th International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives (SDEMPED) : [Tinos (Greece), August 29 - September 01, 2017] 2017 / p. 58-64 : ill https://doi.org/10.1109/DEMPED.2017.8062334

Advances in machine fault diagnosis
Vaimann, Toomas Applied sciences 2021 / art. 7348, 5 p https://doi.org/10.3390/app11167348 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Advances in machine fault diagnosis
2022 https://doi.org/10.3390/books978-3-0365-5110-4

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

AI piilub kapoti alla
Vaaks, Eveliis Trialoog 2025 https://trialoog.taltech.ee/ai-piilub-kapoti-alla/

Akustiliste lainete mõõtmine aitab määrata materjali omadusi : [Euroopa Teadusfondi programmist, 2001-2004 osales selles TTÜ Küberneetika Instituudi Mittelineaarsete protsesside analüüsi keskuse töörühm]
Ravasoo, Arvi Eesti Teadusfondi Aastaraamat 2004 2005 / lk. 24 : ill

Alternative graphs as a mathematical tool and knowledge representation for diagnosis purposes in digital systems
Ubar, Raimund-Johannes BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 285-292: ill

Analyse of control and diagnostics problems of trams and development of new systems and methods
Rosin, Argo 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 86-92 : ill

Analysis of broken rotor bar diagnostic techniques for inverter fed induction motor faults
Sardar, Muhammad Usman 22nd International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 39-40 : ill
https://www.ester.ee/record=b5570906*est

Analysis of possible faults and diagnostic methods of the Cartesian industrial robot
Autsou, Siarhei; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kudelina, Karolina** Proceedings of the Estonian Academy of Sciences 2022 / p. 227-24 : ill https://doi.org/10.3176/proc.2022.3.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Artificial intelligence driven approaches for fault prognostics of electrical machines using vibration spectrum analysis = Tehisintellektil põhinevad lähenemisviisid elektrimasinate rikete prognoosimiseks vibratsioonispektri analüüsi abil
Kudelina, Karolina 2024 https://www.ester.ee/record=b5685285*est https://doi.org/10.23658/taltech.28/2024
https://digikogu.taltech.ee/et/Item/229f1bbb-6178-414a-9e2e-2c98a30a783c

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

Arvuti mitmetasemeline mudel diagnostikaülesande lahendamiseks
Liik, T.; **Viilup, Agu** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 44 https://www.ester.ee/record=b2449987*est

Arvutisüsteemide katsetamise ja diagnostika teerajaja Raimund Ubar
Sirp 2016 / lk. 11 : portr https://www.sirp.ee/s1-artiklid/c21-teadus/arvutisusteemide-katsetamise-ja-diagnostika-teerajaja-raimund-ubar/
https://artiklid.elnet.ee/record=b2758005*est

Arvutite diagnostika uurimissuuna kujunemisest Eestis
Ubar, Raimund-Johannes Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1988 / lk. 110-127

Assessment of metal condition and remaining life of in-service power plant components operating at high temperature = Elektrijaamade kõrgetemperatuursete seadmete metalli seisundi ja jääkressursi hindamine
Dedov, Andrei 2007 https://digi.lib.ttu.ee/i/?159 https://www.ester.ee/record=b2324690*est

At-speed on-chip diagnosis of board-level interconnect faults
Jutman, Artur Ninth IEEE European Test Symposium : ETS 2004 : 23-26 May 2004, Corsica, France : proceedings 2004 / p. 2-7 : ill https://www.researchgate.net/publication/4098807_At-speed_on-chip_diagnosis_of_board-level_interconnect_faults

Autode ja traktorite tehniline teenindamine ja diagnostika
Nirk, Tavi Põllumajanduse Mehhaniseerimine ja Elektrifitseerimine : Informatsiooniseeria 9 1974 / lk. 1-12 https://www.ester.ee/record=b1274152*est

Autode süütesüsteemi diagnostikast
Sillat, Rein Autotransport ja Maanteed : informatsiooniseeria 8 1972 / lk. 1-5 ; ill. https://www.ester.ee/record=b1181335*est

Automated design and diagnosis of electronic system based on description language representation
Wawryn, Krzysztof; Drabarek, Jozef BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 443-448 https://www.ester.ee/record=b2150914*est

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

Automatic diagnosis of simple design errors
Ubar, Raimund-Johannes; Borrione, Dominique TIMA annual report 1998 1999 / p. 97-98

Automatic diagnosis of simple design errors
Ubar, Raimund-Johannes; Borrione, Dominique Techniques of Informatics and Microelectronics for Computer Architecture 1999 / p. 91

BASTION - board and SoC test instrumentation for Ageing and No Failure Found
Devadze, Sergei MEDIAN Finale : Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : November 10-11, 2015, Tallinn, Estonia 2015 / p. 77

BASTION : board and SoC test instrumentation for ageing and no failure found
Jutman, Artur; Lotz, Christophe; Larsson, Erik; Sonza Reorda, Matteo; **Jenihhin, Maksim**; **Raik, Jaan** Proceedings of the 2017 Design, Automation & Test in Europe (DATE) : 27-31 March 2017, Swisstech, Lausanne, Switzerland 2017 / p. 115-120 : ill https://doi.org/10.23919/DATE.2017.7926968

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

Berechnung von Booleschen Ableitungen bei der Testsatzanalyse für digitale Schaltungen
Ubar, Raimund-Johannes Nachrichtentechnik, Elektronik : technisch-wissenschaftlishe Zeitschrift für die gesamte elektronische Nachrichtentechnik 1977 / p. 21-23 : ill https://www.ester.ee/record=b1550811*est

Berechnung von tests für die Fehlerdiagnose in Digitalsystem
Ubar, Raimund-Johannes Internationales wissenschaftliches Kolloquium, 21. 1. November bis 5. November 1976, H. 2: Vortragsreihe A 2: Entwurf, Analyse und Einsatz von informationsverarbeitenden Systemen: IWK 1976 / p. [?]

Beschreibung digitaler Einrichtungen mit alternativen Graphen für die Fehlerdiagnose
Ubar, Raimund-Johannes Nachrichtentechnik, Elektronik : technisch-wissenschaftlishe Zeitschrift für die gesamte elektronische Nachrichtentechnik 1980 / p. 96-102 : ill https://www.ester.ee/record=b1550811*est

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 dignosis with structurally synthesized BDDs

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

Built-in self diagnosis with multiple signature analyzers in digital systems
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** Proceedings of the 9th IEEE Latin-American Test Workshop : LATW2008 : February 17-20, 2008, Puebla, Mexico 2008 / p. 29-34 : ill

Cable diagnostics methods for determining degradation caused by renewable energy production
Kiitam, Ivar; **Taklaja, Paul**; **Niitsoo, Jaan**; Hyvonen, Petri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 220-224 : ill

CAD software for digital test and diagnostics
Jervan, Gert; **Markus, Antti**; **Paomets, Priidu**; **Raik, Jaan**; **Ubar, Raimund-Johannes** Proceedings of International Conference on Design and Diagnostics of Electronic Circuits and Systems, Ostrava, Czech Republik, May 12-14, 1997 1997 / p. 35-40

Calculation of probabilistic testability measures for digital circuits with Structurally Synthesized BDDs
Jürimägi, Lembit; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Raik, Jaan** Microprocessors and microsystems 2020 / art. 103117, 12 p https://doi.org/10.1016/j.micpro.2020.103117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Calculation of the diagnosibility of digital circuits without using fault models
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 159-162 : ill

Camera gimbal performance improvement with spinning-mass mechanical gyroscopes
Tiimus, Kristjan; **Tamre, Mart** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 361-366 : ill

Capacitor coupled voltage transformer inaccuracy effect on circuit breaker operation
Asefi, Sajjad; **Andreesen, Guido**; **Kilter, Jako**; Landsberg, Mart 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 5 p https://doi.org/10.1109/EPE58302.2023.10149279

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

Combined fault-model free cause-effect and effect-cause fault diagnosis in block-level digital networks
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** ASQED'09 : 1st Asia Symposium on Quality Electronic Design : Kuala Lumpur, Malaisia, July 15-16, 2009 2009 / p. 385-390 https://ieeexplore.ieee.org/document/5206232

Common rail diesel feed system diagnosing technology
Ilves, R.; Mikita, V.; Traat, Ü.; **Gregor, Andre** Agronomy research 2010 / S1, p. 74-78 : ill

Compact multichannel device for differential impedance spectroscopy of microfluidic sensors [Online resource]
Ojarand, Jaan; **Ehrminger, Robin Benjamin**; **Min, Mart**; **Koel, Ants** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill http://doi.org/10.1109/BEC.2018.8600955

Complex delay fault reasoning with sequential 7-valued algebra
Kõusaar, Jaak; **Ubar, Raimund-Johannes**; **Aleksejev, Igor** 2015 16th Latin American Test Symposium (LATS 2015) : Puerto Vallarta, Mexico, 25-27 March 2015 2015 / [6] p. : ill http://dx.doi.org/10.1109/LATW.2015.7102403

Composing graph theory and deep neural networks to evaluate SEU type soft error effects
Balakrishnan, Aneesh; Lange, Thomas; Glorieux, Maximilien; Alexandrescu, Dan; **Jenihhin, Maksim** 9th Mediterranean Conference on Embedded Computing (MECO'2020), Budva, Montenegro, 8-11 June 2020 2020 https://doi.org/10.1109/MECO49872.2020.9134279

Condition monitoring and diagnostic of electrical machines using IoT and machine learning
Raja, Hadi Ashraf 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. 31-32 : ill https://www.ester.ee/record=b5504019*est

Condition monitoring of a Cartesian robot with a mechanically damaged gear to create a fuzzy logic control and diagnosis algorithm
Autsou, Siarhei; **Kudelina, Karolina**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants** Applied sciences 2024 / art. 4241 https://doi.org/10.3390/app14104241 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Condition monitoring of electrical machines
Vaimann, Toomas; **Kallaste, Ants** 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. 209-212 : ill

Conditional fault collapsing in digital circuits with shared structurally synthesized BDDs [Online resource]
Jürimägi, Lembit; **Ubar, Raimund-Johannes** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600967

Control and operation diagnostics of light rail electric transport : research and development
Rosin, Argo 2011 https://www.amazon.com/Control-Operation-Diagnostics-Electric-Transport/dp/3844333673

Control, supervision and operation diagnostics of light rail electric transport
Rosin, Argo; **Lehtla, Tõnu** 2005 https://www.ester.ee/record=b2073559*est

Critical path tracing based simulation of transition delay faults
Kõusaar, Jaak; **Ubar, Raimund-Johannes**; **Devadze, Sergei**; **Raik, Jaan** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 61-66 : ill

Critical path tracing based simulation of transition delay faults
Kõusaar, Jaak; **Ubar, Raimund-Johannes**; **Devadze, Sergei**; **Raik, Jaan** 2014 17th Euromicro Conference on Digital System Design : DSD 2014 : 27-29 August 2014, Verona, Italy : proceedings 2014 / p. 108-113 : ill

Data-driven cross-layer fault management architecture for sensor networks
Vihman, Lauri; **Kruusmaa, Maarja**; **Raik, Jaan** 16th European Dependable Computing Conference : EDCC 2020 : Virtual Conference, Munich, Germany, 7-10 September 2020 : proceedings 2020 / art. 20094188, p. 33-40
https://doi.org/10.1109/EDCC51268.2020.00015

Decision diagrams for diagnostic modeling
Ubar, Raimund-Johannes MEDIAN Finale : Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : November 10-11, 2015, Tallinn, Estonia 2015 / p. 43

Defect-oriented BIST quality analysis
Kruus, Helena; **Ubar, Raimund-Johannes**; **Raik, Jaan** BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 153-156 : ill

Defect-oriented modul-level fault diagnosis in digital circuits
Kostin, Sergei; **Ubar, Raimund-Johannes**; **Raik, Jaan** Proceedings of the 2011 IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 13-15, 2011, Gottbus, Germany 2011 / p. 81-86

DefSim - the defective IC
Pleskacz, Witold A.; **Jutman, Artur**; **Ubar, Raimund-Johannes**; **Devadze, Sergei** DATE 2007 : Design Automation and Test in Europe : Nice, France, April 16-20, 2007 2007 / p. s96 (2 p.)

Design error diagnosis in digital circuits with stuck-at fault model
Jutman, Artur; **Ubar, Raimund-Johannes** Microelectronics reliability 2000 / p. 307-320 : ill https://doi.org/10.1016/S0026-2714(99)00203-6

Design error diagnosis in digital circuits without error model
Ubar, Raimund-Johannes; Borrione, Dominique VLSI : systems on a chip : IFIP TC10 WG10.5 Tenth International Conference on Very Large Scale Integration (VLSI'99) : December 1-4, 1999, Lisboa, Portugal 1999 / p. 281-292 : ill
https://www.researchgate.net/publication/292157544_Design_Error_Diagnosis_in_Digital_Circuits_without_Error_Model

Design error diagnosis in scan-path designs
Ubar, Raimund-Johannes 2nd IEEE Latin American Test Workshop : LATW 2001 : Cancun, Mexico, February 11-14, 2001 : digest of papers 2001 / p. 162-168 : ill

Design error diagnosis using backtrace algorithm on decision diagrams
Repinski, Urmas; **Raik, Jaan**; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Tšepurov, Anton** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / p. 93-96

Design error diagnosis with re-synthesis in combinational circuits
Ubar, Raimund-Johannes Journal of electronic testing : theory and applications 2003 / 1, p. 73-82 : ill

https://link.springer.com/article/10.1023/A:1021948013402

Design of devices for advanced protection, voltage-quality and load priority control in residential microgrids
Lehtla, Madis; **Rosin, Argo**; **Möller, Taavi**; **Pikner, Rando** EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T6-97 - T6-100
https://ieeexplore.ieee.org/document/5606611 https://doi.org/10.1109/EPEPEMC.2010.5606611

Design-for-destability-based external test and diagnosis of mesh-like network- on-a-chips
Raik, Jaan; Govind, Vineeth; **Ubar, Raimund-Johannes** IET computers and digital techniques 2009 / 5, p. 476-486 : ill
http://dx.doi.org/10.1049/iet-cdt.2008.0096

Detection of broken bars in frequency converter fed induction motor using Park's vector approach
Vaimann, Toomas; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 53-56 : ill
https://www.researchgate.net/publication/261051228_Detection_of_broken_bars_in_frequency_converter_fed_induction_motor_using_Park's_vector_approach

Detection of broken rotor bars in three-phase squirrel-cage induction motor using fast Fourier transform
Vaimann, Toomas; **Kallaste, Ants** 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 52-56 : ill

Detection of induction motor broken bars in grid and frequency converter supply
Vaimann, Toomas; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvija : [abstracts] 2012 / p. 112 : ill
https://www.researchgate.net/publication/262674778_Detection_of_induction_motor_broken_bars_in_grid_and_frequency_converter_supply

Development of automated detection and wireless reporting for a handheld point-of-care test
Pardy, Tamas; **Filograno, Leonardo**; Baumann, Cindy; **Rang, Toomas** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2021 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9276773

Development of control and diagnostics system for Tallinn trams
Rosin, Argo; **Pettai, Elmo**; **Lehtla, Tõnu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 327-330 : ill

DfT-based external test and diagnosis of mesh-like networks on chips = Testitavusel põhinev välise testi ja diagnoosi meetod kahemõõtmelistele kiipvõrkudele
Govind, Vineeth 2009 https://digi.lib.ttu.ee/i/?454 https://www.ester.ee/record=b2539211*est

Diagnostic modeling of digital systems with multi-level decision diagrams
Ubar, Raimund-Johannes; **Raik, Jaan**; **Jutman, Artur**; **Jenihhin, Maksim** Design and test technology for dependable systems-on-chip 2011 / p. 92-118 : ill https://www.researchgate.net/publication/344994231_Diagnostic_Modeling_of_Digital_Systems_with_Multi-Level_Decision_Diagrams

Diagnostic modeling of microprocessors with high-level decision diagrams
Ubar, Raimund-Johannes; **Raik, Jaan**; **Jutman, Artur**; **Jenihhin, Maksim**; **Brik, Marina**; Istenberg, Martin; Wuttke, Heinz-Dietrich BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 147-150 : ill

Diagnostic modelling of digital systems with binary and high-level decision diagrams
Ubar, Raimund-Johannes; **Raik, Jaan**; **Kruus, Helena**; **Lensen, Harri**; **Evartson, Teet** Progress in industrial mathematics at ECMI 2006 2008 / p. 902-907 : ill https://link.springer.com/chapter/10.1007/978-3-540-71992-2_158

Diagnostic modelling of digital systems with decision diagrams
Ubar, Raimund-Johannes Вестник Томского государственного университета : приложение 2004 / август, материалы международных, всесоюзных и региональных научных конференций, симпозиумов, школ, проводимых в ТГУ, с. 174-179 : ил

Diagnostic modelling of digital systems with multi-level decision diagrams
Ubar, Raimund-Johannes; **Raik, Jaan**; **Evartson, Teet**; **Kruus, Margus**; **Lensen, Harri** Proceedings of the 17th IASTED International Conference on Modelling and Simulation : May 24-26, 2006, Montreal, Quebec, Canada 2006 / p. 207-212 : ill

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

Diagnostic software with WEB interface for teaching purposes
Vislogubov, Vladislav; **Jutman, Artur**; **Kruus, Helena**; **Orasson, Elmet**; **Raik, Jaan**; **Ubar, Raimund-Johannes** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 255-258 : ill

Diagnostics analysis of partial discharge events of the power cables at various voltage levels using ramping behavior analysis method
Mishra, Sambeet; **Singh, Praveen Prakash**; **Kiitam, Ivar**; **Shafiq, Muhammad**; **Palu, Ivo**; Bordin, Chiara Electric power systems research 2024 / art. 109988 https://doi.org/10.1016/j.epsr.2023.109988

Diagnostics of induction machine rotor faults using analysis of stator signals = Asünkroonmasina rootori diagnostika staatorisignaalide uurimise meetodil
Vaimann, Toomas 2014 https://www.ester.ee/record=b4376858*est

Diagnostics of induction motor rotor faults using analysis of stator current
Vaimann, Toomas 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. 13-17 : ill

Diagnostics of machining and assembly systems by networked motes
Preden, Jürgo-Sören; **Sarkans, Martinš**; **Otto, Tauno** Machine engineering 2007 / 1/2, p. 68-77

Diagnostics system for electronic circuits
Melentjev, Sergei 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. 192-194 : ill

Diagnostika säästab elektrimasinate tervist
Vaimann, Toomas; **Kilk, Aleksander** Keskkonnatehnika 2011 / 5, lk. 31-32 : ill https://artiklid.elnet.ee/record=b2426053*est

DIAGNOZER : a laboratory tool for teaching research in diagnosis of electronic systems [Electronic resource]
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Jutman, Artur**; **Raik, Jaan**; Wuttke, Heinz-Dietrich 2009 IEEE International Conference on Microelectronic Systems Education MSE '09 : 25-27 July 2009, San Francisco, California : [proceedings] 2009 / p. 12-15 : ill. [CD-ROM] http://dx.doi.org/10.1109/MSE.2009.5270842

Digitaali disain - ideest realisatsioonini
Ellervee, Peeter A & A 2008 / lk. 6-10 : ill https://artiklid.elnet.ee/record=b1021438*est

Digitaalkaksikud diagnostika rakenduseks
Vaimann, Toomas Elektriala 2023 / lk. 24-25 https://www.ester.ee/record=b1240496*est

Digitaalsüsteemide diagnostika
Ubar, Raimund-Johannes 2005 http://www.ester.ee/record=b2097071*est

Digital twin of wind generator for modelling various turbine characteristics
Raja, Hadi Ashraf; **Autsou, Siarhei**; **Kudelina, Karolina**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants**; Pomarnacki, Raimondas; Hyunh, Van Khang 2023 International Conference on Electrical Drives and Power Electronics (EDPE) 2023 / p. 1-5 https://doi.org/10.1109/EDPE58625.2023.10274050

Digital twin of wind generator to simulate different turbine characteristics using IoT
Raja, Hadi Ashraf; **Kudelina, Karolina**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants**; Pomarnacki, Raimondas; Hyunh, Van Khang Proceedings of the Future Technologies Conference (FTC) 2023. Vol. 1 2023 / p. 123-132 https://doi.org/10.1007/978-3-031-47454-5_9 Conference proceedings at Scopus Article at Scopus

Distributed approach for parallel exact critical path tracing fault simulation
Ivask, Eero; **Devadze, Sergei**; **Ubar, Raimund-Johannes** International journal of microelectronics and computer science 2010 / p. 165-174 : ill

Distributed approach for parallel exact critical path tracing fault simulation
Ivask, Eero; **Devadze, Sergei**; **Ubar, Raimund-Johannes** MIXDES 2010 : 17th International Conference "Mixed Design of Integrated Circuits and Systems" : June 24-26, 2010, Wroclaw, Poland 2010 / p. 471-476 : ill

Doktoritöö trammi arvutipõhise juhtimise, seire ja diagnostika alal : [väitekirja kaitses Argo Rosin]
Lahtmets, Rain Elektriala 2005 / lk. 32

Doktoriväitekiri termograafilise diagnostika rakendustest ja uuringutest : [TTÜ elektroenergeetika instituudis kaitses doktoritöö Nikolai Dorovatovski]
Treufeldt, Ülo Elektriala 2004 / lk. 31 : fot

Double phase fault collapsing with linear complexity in digital circuits
Ubar, Raimund-Johannes; **Jürimägi, Lembit**; **Orasson, Elmet**; **Josifovska, Galina**; **Oyeniran, Adeboye Stephen** DSD 2015 :

18th Euromicro Conference on Digital Systems Design : 26-28 August 2015, Funchal, Madeira, Portugal 2015 / p. 700-705 : ill

Effect of ultrasonic treatment on the defect structure of the Si-SiO2 system
Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Medvids, Arturs Physica Status Solidi (C) Current Topics in Solid State Physics 2016 / p. 793 - 797 https://doi.org/10.1002/pssc.201600052 Journal metrics at Scopus Article at Scopus Article at WOS

Efficiency of diagnosing the condition of rolling bearings in real time
Baraškova, Tatjana; **Shirokova, Veroonika** Ukrainian metrological journal 2022 / p. 34-38 : ill https://doi.org/10.24027/2306-7039.4.2022.276322

Efficient at-speed interconnect BIST and diagnosis framework
Jutman, Artur Informal Digest of Papers : 10 IEEE European Test Symposium : Tallinn, Estonia, May 22-25, 2005 2005 / p. 257-258 : ill https://artiklid.elnet.ee/record=b1018804*est

Efficient TPG for a fast at-speed interconnect BIST [Electronic resource]
Jutman, Artur 7th IEEE Workshop on Design and Diagnostics of Electronic Circuits and Systems : April 18-21, 2004, Stará Lesná, Slovakia : proceedings 2004 / p. 223-226 : ill. [CD-ROM]

Ein universeller Weg zur Automatisierung des Testentwurfs für digitale Objecte
Ubar, Raimund-Johannes; Lohuaru, Tõnu Fehler in Automaten 1989 / S. 16-30 : Ill

Elektrimasinate diagnostika - lihtne viis suureks kokkuhoiuks
Vaimann, Toomas; **Kilk, Aleksander** Elektriala 2011 / 5, lk. 26-27 : ill

Elektrimasinate diagnostika kui moodus nende eluea pikendamiseks
Vaimann, Toomas; **Kilk, Aleksander** Inseneeria 2011 / lk. 38, 40 : ill https://www.ester.ee/record=b1519314*est

Elektrimasinate terviserikkeid aitaks ennetada tehisintellekt [Võrguväljaanne]
Kudelina, Karolina novaator.err.ee 2021 "Elektrimasinate terviserikkeid aitaks ennetada tehisintellekt"

Embedded diagnosis in digital systems
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** 2008 26th International Conference on Microelectronics : Niš, Serbia, 11-14 May 2008 : proceedings. Vol. 2 2008 / p. 421-424 : ill

Embedded diagnosis in digital systems
Kostin, Sergei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 81-84 : ill

Embedded fault diagnosis in digital systems with BIST
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** Microprocessors and microsystems 2008 / 5/6, p. 279-287 : ill

Embedded instrumentation toolbox for screening marginal defects and outliers for production
Odintsov, Sergei; Jutman, Artur; Devadze, Sergei; **Aleksejev, Igor** IEEE AUTOTESTCON 2017 : Schaumburg, USA, Sept 11-14, 2017 : proceedings 2017 / p. 336-334 : ill https://doi.org/10.1109/AUTEST.2017.8080516

Encoderless rotor position estimation of a switched reluctance drive operated under model predictive control
Anuchin, Alecksey; Shpak, Dmitry; **Demidova, Galina** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 https://doi.org/10.1109/RTUCON51174.2020.9316621

Environment for the analysis of functional self-test quality in digital systems
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Kruus, Helena**; **Aarna, Margit**; **Devadze, Sergei** Proceedings of the Estonian Academy of Sciences 2014 / p. 151-162 : ill https://artiklid.elnet.ee/record=b2673964*est https://doi.org/10.3176/proc.2014.2.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estimating time constants for underfloor heating control
Kull, Tuule Mall; **Thalfeldt, Martin**; **Kurnitski, Jarek** Journal of physics : conference series 2019 / art. 012121, 6 p. : ill https://doi.org/10.1088/1742-6596/1343/1/012121 Conference proceeding at Scopus Article at Scopus Article at WOS

Estimation of complex derivatives and application for fault diagnosis
Baraškova, Tatjana; **Arjassov, Gennadi**; **Gornostajev, Dmitri** Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0469-0472 : ill. [CD-ROM] https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2012/109.pdf

Estimation of complex derivatives application for fault diagnosis
Baraškova, Tatjana; Pascault, D. 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn,

Exact parallel critical path fault tracing to speed-up fault simulation in sequential circuits
Kõusaar, Jaak; **Ubar, Raimund-Johannes**; **Kostin, Sergei**; **Devadze, Sergei**; **Raik, Jaan** International journal of microelectronics and computer science 2018 / p. 9−18 https://ijmcs.dmcs.pl/web/guest/vol.-9-no.-1 https://ijmcs.dmcs.pl/documents/10630/345460/IJMCS_1_2018_2.pdf

Extended checkers for control part of routers in network-on-chips
Hariharan, Ranganathan; **Niazmand, Behrad**; **Hollstein, Thomas**; **Raik, Jaan**; **Jervan, Gert** MEDIAN 2015 : the 4th Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : March 13, 2015, Grenoble, France 2015 / p. 36-39 : ill

Extended checkers for logic-based distributed routing in network-on-chips
Niazmand, Behrad; **Hariharan, Ranganathan**; **Govind, Vineeth**; **Jervan, Gert**; **Hollstein, Thomas**; **Raik, Jaan** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 83-86 : ill

Extended checkers for logic-based distributed routing in network-on-chips
Niazmand, Behrad; **Hariharan, Ranganathan**; **Govind, Vineeth**; **Jervan, Gert**; **Hollstein, Thomas**; **Raik, Jaan** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 77-80 : ill

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 https://doi.org/10.1007/978-3-319-46097-0_2 Conference Proceedings at Scopus Article at Scopus Article at WOS

Fault diagnosis in integrated circuits with BIST
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan**; **Evartson, Teet**; **Lensen, Harri** 10th Euromicro Conference on Digital System Design Architectures, Methods and Tools, DSD 2007 : 29-31 August 2007, Lübeck, Germany : proceedings 2007 / p. 604-610 : ill http://dx.doi.org/10.1109/DSD.2007.4341530

Fault diagnosis in VLSI devices
Ubar, Raimund-Johannes Proceedings of the Estonian Academy of Sciences. Engineering 1995 / 1, p. 51-67

Fault diagnosis of additional vibration in Cartesian robot
Autsou, 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

Fault diagnosis of output-side diode-bridge in isolated DC-DC series resonant converter
Bakeer, Abualkasim Ahmed Ali; **Chub, Andrii**; **Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 https://doi.org/10.1109/ENERGYCON53164.2022.9830339

Fault modeling and diagnosis in digital systems
Ubar, Raimund-Johannes CREDES Summer School : Dependable Systems Design : handouts 2011 / p. 91-106 : ill

Fault simulation and analysis of high-voltage circuit breaker's spring charging mechanism using a universal motor model
Asad, Bilal; **Vaimann, Toomas**; **Kallaste, Ants**; **Kilter, Jako**; **Sardar, Muhammad Usman** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p https://doi.org/10.1109/RTUCON62997.2024.10830846

Fault simulation with parallel exact critical path tracing in multiple core environment
Gorev, Maksim; **Ubar, Raimund-Johannes**; **Devadze, Sergei** 2015 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2015 / p. 1180-1185 : ill

Fehlerbestimmung in kombinatorischen Scaltungen durch Lösung der Booleschen Differentialgleichungen
Ubar, Raimund-Johannes Nachrichtentechnik, Elektronik : technisch-wissenschaftlishe Zeitschrift für die gesamte elektronische Nachrichtentechnik 1978 / p. 330-334 : ill https://www.ester.ee/record=b1550811*est

Finite element analysis based technique implementation for fault diagnostic of electrical machines
Akbar, Siddique 22nd International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 103-104 https://www.ester.ee/record=b5570906*est

FOPID controllers and their industrial applications: a survey of recent results
Tepljakov, Aleksei; Alagoz, Baris Baykant; **Petlenkov, Eduard** IFAC-PapersOnLine 2018 / p. 25-30

https://doi.org/10.1016/j.ifacol.2018.06.014 Conference proceedings at Scopus Article at Scopus Article at WOS

A framework for area-efficient concurrent online checkers design
Saltarelli, Pietro; **Niazmand, Behrad**; **Hariharan, Ranganathan**; **Raik, Jaan**; **Jervan, Gert**; **Hollstein, Thomas** MEDIAN Finale : Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : November 10-11, 2015, Tallinn, Estonia 2015 / p. 64-69 : ill

A framework for combining concurrent checking and online embedded test for low-latency fault detection in NoC routers
Saltarelli, Pietro; **Niazmand, Behrad**; **Raik, Jaan**; **Govind, Vineeth**; **Hollstein, Thomas**; **Jervan, Gert**; **Hariharan, Ranganathan** NOCS '15 : International Symposium on Networks-on-Chip : Vancouver, BC, Canada, September 28-30, 2015 2015 / [8] p. : ill http://dx.doi.org/10.1145/2786572.2788713

A framework for comprehensive automated evaluation of concurrent online checkers
Saltarelli, Pietro; **Niazmand, Behrad**; **Raik, Jaan**; **Hariharan, Ranganathan**; **Jervan, Gert**; **Hollstein, Thomas** Euromicro Conference on Digital System Design : DSD 2015 : 26-28 August 2015, Funchal, Madeira, Portugal : proceedings 2015 / p. 288-292 : ill http://dx.doi.org/10.1109/DSD.2015.15

From online fault detection to fault management in network-on-chips : a ground-up approach
Azad, Siavoosh Payandeh; **Niazmand, Behrad**; **Janson, Karl**; **Nevin, George**; **Oyeniran, Adeboye Stephen**; **Putkaradze, Tsotne**; **Apneet Kaur**; **Raik, Jaan**; **Jervan, Gert**; **Ubar, Raimund-Johannes**; **Hollstein, Thomas** Proceedings 2017 IEEE 20th International Symposium on Design and Diagnotics of Electronic Circuit & Systems(DDECS) : April 19-21, 2017, Dresden, Germany 2017 / p. 48-53 : ill https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7934553

Functional level test set generation methods
Ubar, Raimund-Johannes Proceedings of the 12th Conference on Fault-Tolerant Systems and Diagnostics, Prague, Czechoslovakia, September, 1989 1989 / p. 46-55

Functional specification and testing of digital systems
Ubar, Raimund-Johannes Multimicroprocessor systems: Proceedings of the 3rd Symposium, Stralsund, oct. 16-20, 1989, Vol 1 1989 / p. 207-217

Generaatorite staatorimähise termodiagnostika
Dorovatovski, Nikolai Elektriala 2003 / 4, lk. 18-19 https://artiklid.elnet.ee/record=b1013524*est

Generation of tests for the localization of single gate design errors in combinational circuits using the stuck-at fault model
Ubar, Raimund-Johannes; Borrione, Dominique XI Brasilian Symposium on Integrated Circuit Design, September 30 - October 3, 1998, Rio de Janeiro, Brazil : proceedings 1998 / p. 51-54 https://ieeexplore.ieee.org/document/715409

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 https://doi.org/10.1007/978-3-319-25594-1_17 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Harmonic spectrum analysis of induction motor with broken rotor bar fault
Asad, Bilal; **Vaimann, Toomas**; **Kallaste, Ants**; **Belahcen, Anouar** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 7 p. : ill https://doi.org/10.1109/RTUCON.2018.8659842

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

Hierarchical approach to test generation for digital systems at system, circuit and defect levels
Ubar, Raimund-Johannes 45. Internationales Wissenschaftliches Kolloquium, 04.-06.10.2000 : Tagungsband 2000 / S. 711-716 : Ill

Hierarchical design error diagnosis in combinational circuits by stuck-at fault test patterns
Ubar, Raimund-Johannes; **Jutman, Artur** Proceedings of the 6th International Conference on Mixed Design of Integrated Circuits and Systems : MIXDES'99 : Krakow, Poland, 17-19 June 1999 1999 / p. 437-442 : ill https://www.sciencedirect.com/science/article/pii/S0026271499002036

Hierarchical fault diagnosis in embedded digital systems with multi-level decision diagrams [Electronic resource]
Ubar, Raimund-Johannes; **Evartson, Teet**; **Lensen, Harri**; **Aarna, Margit** 5th International Conference on Industrial Automation = Cinquieme Conference Internationale sur l'Automatisation Industrielle : June 11-13, 2007, Montreal, Canada 2007 / [6] p. [CD-ROM]

Hierarchical fault simulation for finite state machines

Brik, Marina; **Raik, Jaan**; **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. 145-148 : ill

High-level decision diagram simulation for diagnosis and soft-error analysis
Raik, Jaan; **Repinski, Urmas**; **Jenihhin, Maksim**; **Chepurov, Anton** Design and test technology for dependable systems-on-chip 2011 / p. 294-309 : ill https://www.igi-global.com/chapter/high-level-decision-diagram-simulation/51406

High-level design error diagnosis using backtrace on decision diagrams
Raik, Jaan; **Repinski, Urmas**; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Tšepurov, Anton** 28th Norchip Conference : Tampere, Finland, 15-16 November 2010 : conference program and papers 2010 / [4] p. : ill
http://dx.doi.org/10.1109/NORCHIP.2010.5669486

High-level fault diagnosis in RISC processors with Implementation-Independent Functional Test
Oyeniran, Adeboye Stephen; **Jenihhin, Maksim**; **Raik, Jaan**; **Ubar, Raimund-Johannes** 2022 IEEE Computer Society Annual Symposium on VLSI (ISVLSI) : Nicosia, Cyprus : 04-06 July 2022 2022 / p. 32-37 https://doi.org/10.1109/ISVLSI54635.2022.00019

Hilbert transform, an effective replacement of Park's vector modulus for the detection of rotor faults
Asad, Bilal; **Vaimann, Toomas**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Belahcen, Anouar** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill https://doi.org/10.1109/PQ.2019.8818227

Hybrid built-in self-test : methods and tools for analysis and optimization of BIST = Sisseehitatud hübriidne isetestimine : meetodid ja vahendid analüüsiks ning optimeerimiseks
Orasson, Elmet 2007 https://www.ester.ee/record=b2305436*est

Hybrid built-in self-test and test generation techniques for digital systems
Jervan, Gert 2005 https://www.ester.ee/record=b2177537*est

HyFBIST : hybrid functional built-in self-test in microprogrammed data-paths of digital systems
Ubar, Raimund-Johannes; Mazurova, Natalja; Smahtina, Julia; **Orasson, Elmet**; **Raik, Jaan** Proceedings of the 11th International Conference : Mixed Design of Integrated Circuits and Systems : MIXDES 2004 : Szczecin, Poland, 24-26 June 2004 2004 / p. 497-502 : ill

Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer
Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; **Kütt, Lauri**; Kauhaniemi, Kimmo; **Palu, Ivo** IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill https://doi.org/10.1109/ACCESS.2019.2930704 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identification and rejuvenation of NBTI-critical logic paths in nanoscale circuits
Jenihhin, Maksim; Squillero, Giovanni; **Tihhomirov, Valentin**; **Kostin, Sergei**; **Raik, Jaan**; **Ubar, Raimund-Johannes** Journal of electronic testing : theory and applications (JETTA) 2016 / p. 273-289 : ill https://doi.org/10.1007/s10836-016-5589-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identification and rejuvenation of NBTI-critical paths in nanoscale logic circuits
Jenihhin, Maksim 1st International Workshop on Reliability and Aging in Forthcoming Electronic Systems : May 28-29, 2015, Cluj-Napoca, Romania 2015 / [1] p

Identifying untestable faults in sequential circuits using test path constraints
Viilukas, Taavi; **Karputkin, Anton**; **Raik, Jaan**; **Jenihhin, Maksim**; **Ubar, Raimund-Johannes**; Fujiwara, Hideo Journal of electronic testing : theory and applications (JETTA) 2012 / p. 511-521 : ill https://link.springer.com/article/10.1007/s10836-012-5312-5

Implementation of Digital Twins for electrical energy conversion systems in selected case studies
Rassõlkin, Anton; Orosz, Tamas; **Demidova, Galina**; **Kuts, Vladimir**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants** Proceedings of the Estonian Academy of Sciences 2021 / p. 19-39 : ill https://doi.org/10.3176/proc.2021.1.03 https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementation-independent functional test for transition delay faults in microprocessors
Oyeniran, Adeboye Stephen; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Raik, Jaan** 2020 23rd Euromicro Conference on Digital System Design (DSD), 26-28 August 2020, Kranj, Slovenia 2020 / p. 646-650 https://doi.org/10.1109/DSD51259.2020.00105

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

An improved estimation technique for hybrid BIST test set generation
Jervan, Gert; Peng, Zebo; **Ubar, Raimund-Johannes**; Korelina, Olga DDECS : 8th IEEE Workshop on Design and Diagnostics of Electronic Circuits and Systems : April 13-16, 2005, Sopron, Hungary : proceedings 2005 / p. 182-185 : ill
https://www.ida.liu.se/labs/eslab/publications/pap/db/ddecs05.pdf

Improved quantification of partial discharges for reliable diagnostics of multipath connections in MV substations
Shafiq, Muhammad; **Kiitam, Ivar**; Isa, Muzamir; **Taklaja, Paul**; **Palu, Ivo**; **Kütt, Lauri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / 6 p
https://doi.org/10.1109/RTUCON53541.2021.9711585

Improving legibility of motor current spectrum for broken rotor bars fault diagnostics
Asad, Bilal; **Vaimann, Toomas**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Belahcen, Anouar**; **Iqbal, Muhammad Naveed** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2019 / p. 1–8 : ill https://doi.org/10.2478/ecce-2019-0001

Influence of different tooth belt transmission faults on the work of a cartesian robot
Autsou, 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 2022 / 5 p. : ill
https://doi.org/10.1109/ME54704.2022.9982815

Infrasarkanas termografijas diagnostika elektroenergetika
Dorovatovski, Nikolai; Banga, A. Energetika un automatizacija 2003 / 5, p. 26-29

In-process determing of the working mode in CNC turning
Aruväli, Tanel; **Serg, Risto**; **Preden, Jürgo-Sören**; **Otto, Tauno** Estonian journal of engineering 2011 / 1, p. 4-16 : ill
https://www.kirj.ee/public/Engineering/2011/issue_1/eng-2011-1-4-16.pdf

Inverter-fed motor drive system : a systematic analysis of condition monitoring and practical diagnostic techniques
Energies 2023 / art. 5628 https://doi.org/10.3390/en16155628 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigating the progression of insulation degradation in power cable based on partial discharge measurements
Hassan, Waqar; **Shafiq, Muhammad**; Hussain, Ghulam Amjad; **Choudhary, Maninder**; **Palu, Ivo** Electric power systems research 2023 / art. 109452 https://doi.org/10.1016/j.epsr.2023.109452 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigations of the diagnosibility of digital networks with BIST
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** 10th IEEE Latin American Test Workshop : 2-5 March 2009, Brazil 2009 / [6] p. : ill

IoT based tools and methods for electrical machine diagnostics
Raja, Hadi Ashraf 19th International Symposium “Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III” : Tartu, Estonia, January 14-17, 2020 2020 / p. 115-116 : ill https://www.ester.ee/record=b5291755*est

IoT based tools and methods for electrical machine diagnostics = Asjade interneti põhised tööriistad ja meetodid elektrimasinate diagnostikaks
Raja, Hadi Ashraf 2023 https://doi.org/10.23658/taltech.20/2023 https://digikogu.taltech.ee/et/Item/3015334f-c32b-43ae-ba2d-bfcda536aba5 https://www.ester.ee/record=b5558656*est

20 aastat maailma testiteaduse tippkonkurentsis
Ubar, Raimund-Johannes Mente et Manu 2015 / lk. 12-13 : fot https://artiklid.elnet.ee/record=b2749536*est

Karolina Kudelina: andekaid inseneritüdrukuid tuleb julgustada [Võrguväljaanne]
Kudelina, Karolina err.ee 2022 "Karolina Kudelina: andekaid inseneritüdrukuid tuleb julgustada"

Kergrööbassõidukite ajamid ja juhtimine
Laugis, Juhan; **Lehtla, Tõnu**; **Joller, Jüri**; **Rosin, Argo**; **Vinnikov, Dmitri**; **Lehtla, Madis** 2008
http://www.ester.ee/record=b2394445*est

Kordsete rikete diagnostika järjestiklülitustes
Puulinn, S.; **Ubar, Raimund-Johannes** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 43 https://www.ester.ee/record=b2449987*est

Korrosiooni ja roomavuse tingimustes töötava energiaseadme metalli valik, diagnostika ja jääkressursi määramise süsteem
Tallermo, Harri; **Klevtsov, Ivan**; Uus, M. Maintenance & Energy : Baltic'99 messikonverents : 6.-7. mai 1999, Tallinn 1999 / [9] lk.

mapis

Learning digital test and diagnostics via internet [Electronic resource]
Ubar, Raimund-Johannes; **Jutman, Artur**; **Kruus, Margus**; **Orasson, Elmet**; **Devadze, Sergei**; Wuttke, Heinz-Dietrich International journal of computing & information sciences 2006 / 2, p. 86-96 : ill

Localization of single-gate design errors in combinational circuits by diagnostic information about stuck-at faults
Ubar, Raimund-Johannes; Borrione, Dominique Proceedings of the 2nd International Workshop on Design and Diagnostics of Electronic Circuits and Systems, Szczyrk, Poland, September 2-4, 1998 1998 / p. 73-79
https://www.researchgate.net/publication/238687832_Localization_of_Single_Gate_Design_Errors_in_Combinational_Circuits_by_Diagnostic_Information_about_Stuck-at_Faults

Macro level defect-oriented diagnosability of digital circuits
Kostin, Sergei; **Ubar, Raimund-Johannes**; **Raik, Jaan** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 53-56 : ill

Macro level defect-oriented diagnosability of digital circuits
Kostin, Sergei; **Ubar, Raimund-Johannes**; **Raik, Jaan** BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 149-152 : ill

Mathematical modelling of three phase squirrel cage induction motor and related signal processing for fault diagnostics = Kolmefaasilise lühisrootoriga asünkroonmootori matemaatiline modelleerimine ning lähtuv rikkediagnostiline signaalitöötlus
Asad, Bilal 2021 https://digikogu.taltech.ee/et/Item/8b5869c8-de30-4380-a0c6-8a6a2d6b6ff3 https://www.ester.ee/record=b5452432*est https://doi.org/10.23658/taltech.40/2021

Measuring and identifying aging-critical paths in FPGAs
Pfeifer, Petr; **Raik, Jaan**; **Jenihhin, Maksim**; **Ubar, Raimund-Johannes**; Pliva, Zdenek MEDIAN 2015 : the 4th Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : March 13, 2015, Grenoble, France 2015 / p. 56-61 : ill

Methods for improving the accuracy and efficiency of fault simulation in digital systems = Meetodid digitaalsüsteemide rikete simuleerimise täpsuse ja efektiivsuse tõstmiseks
Kõusaar, Jaak 2019 https://digi.lib.ttu.ee/i/?11667

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

Microprocessor based traction control system and diagnostic algorithms for the traction drive TVM1
Lehtla, Madis Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 58-61 : ill

Mixed-level identification of fault redundancy in microprocessors
Oyeniran, Adeboye Stephen; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Gürsoy, Cemil Cem**; **Raik, Jaan** LATS 2019 : 20th IEEE Latin American Test Symposium : Santiago, Chile, March 11th - 13th 2019 2019 / 6 p. : ill
https://doi.org/10.1109/LATW.2019.8704591

Model-based diagnosis of power converters
Vodovozov, Valery; **Raud, Zoja**; **Vinnikov, Dmitri** Технічна електродинамика 2009 / Тематический выпуск: Силова електроніка та енергоефективність. 2, с. 38-43

Modified winding function-based model of squirrel cage induction motor for fault diagnostic
Asad, Bilal 19th International Symposium “Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III” : Tartu, Estonia, January 14-17, 2020 2020 / p. 93-94 : ill https://www.ester.ee/record=b5291755*est

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

Module-level fault diagnosis in combinational networks
Ubar, Raimund-Johannes Fault-tolerant systems and diagnostics : FTSD 1978 / p. 297-314

Monitoring of manufacturing machinery using smart dust applications
Aruväli, Tanel; **Serg, Risto**; **Otto, Tauno**; **Preden, Jürgo-Sören** 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. 209-213 : ill

Motion tracking glove for augmented reality and virtual reality
Vu, Trieu Minh; **Katushin, Nikita**; Pumwa, John Paladyn, journal of behavioral robotics 2019 / p. 160–166 : ill
https://doi.org/10.1515/pjbr-2019-0012 Journal metrics at Scopus Article at Scopus

Multifrequency testing and diagnosis of analog and mixed signal circuits using neuromorphic classifier
Lantsov, V.; Rudakov, O.; Mosin, S. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 347-348

Multi-level test generation and fault diagnosis in digital systems
Ubar, Raimund-Johannes 1992

Multi-loop model reference adaptive control of fractional-order PID control systems
Alagoz, Baris Baykant; **Tepljakov, Aleksei**; **Petlenkov, Eduard**; Yeroglu, Celaleddin 2017 40th International Conference on Telecommunications and Signal Processing TSP : July 5-7, 2017, Barcelona, Spain 2017 / p. 702-705 : ill
https://doi.org/10.1109/TSP.2017.8076078

Multiple fault testing in systems-on-chip with high-level decision diagrams
Ubar, Raimund-Johannes; **Oyeniran, Adeboye Stephen**; Schölzel, Mario; Vierhaus, Heinrich Theodor Proceedings of 2015 10th International Design & Test Symposium (IDT) : Dead Sea, Jordan, 14-16 December 2015 2015 / p. 66-71 : ill
http://dx.doi.org/10.1109/IDT.2015.7396738

Multiple stuck-at-fault detection theorem
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Raik, Jaan** Proceedings of the 2012 IEEE 15th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 18-20, 2012 Tallinn, Estonia 2012 / p. 236-241 : 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

Mutation-based verification and error correction in high-level designs = Mutatsioonidel põhinev verifitseerimine ja vigade parandamine kõrgtaseme skeemides
Hantson, Hanno 2015 https://www.ester.ee/record=b4518212*est

Necessity for implementation of inverse problem theory in electric machine fault diagnosis
Vaimann, Toomas; **Belahcen, Anouar**; **Kallaste, Ants** SDEMPED 2015 : 10th IEEE International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives : Guarda, Portugal, September 1-4, 2015 : proceedings 2015 / p. 380-385 : ill
http://dx.doi.org/10.1109/DEMPED.2015.7303718

New built-in self-test scheme for SoC interconnect
Jutman, Artur; **Ubar, Raimund-Johannes**; **Raik, Jaan** The 9th World Multi-Conference on Systemics, Cybernetics and Informatics : WMSCI 2005 : July 10-13, 2005, Orlando, Florida, USA. Vol. IV 2005 / p. 19-24 : ill
https://www.researchgate.net/publication/237375234_New_Built-In_Self-Test_Scheme_for_SoC_Interconnect

New opportunities in real-time diagnostics of induction machines
Baraškova, Tatjana; **Kudelina, Karolina**; **Shirokova, Veroonika** Energies 2024 / art. 3265 https://doi.org/10.3390/en17133265
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NoCDepend : a flexible and scalable dependability technique for 3D networks-on-chip
Hollstein, Thomas; **Azad, Siavoosh Payandeh**; **Kogge, Thilo**; Ying, Haoyuan; Hofmann, Klaus 2015 IEEE 18th International Symposium on Design and Diagnostics of Electronic Circuits & Systems DDECS 2015 : 22-24 April 2015, Belgrade, Serbia : proceedings 2015 / p. 75-78 : ill http://dx.doi.org/10.1109/DDECS.2015.30

Novel approaches to electrical machine fault diagnosis
Vaimann, Toomas; Antonino-Daviu, Jose Alfonso; **Rassõlkin, Anton** Energies 2023 / art. 5641 https://doi.org/10.3390/en16155641
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel architectures for contractive autoencoders with embedded learning
Kerner, Madis; **Tammemäe, Kalle**; **Raik, Jaan**; **Hollstein, Thomas** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill https://doi.org/10.1109/BEC49624.2020.9277246

A novel random approach to diagnostic test generation
Osimiry, Emmanuel Ovie; **Ubar, Raimund-Johannes**; **Kostin, Sergei**; **Raik, Jaan** 2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark 2016 / [4] p. : ill https://doi.org/10.1109/NORCHIP.2016.7792915

A numerical study for plant-independent evaluation of fractional-order PID controller performance
Alagoz, Baris Baykant; **Tepljakov, Aleksei**; Yeroglu, Celaleddin; Gonzalez, Emmanuel A.; Hossein Nia, S. Hassan; **Petlenkov, Eduard** IFAC-PapersOnLine 2018 / p. 539-544 : ill https://doi.org/10.1016/j.ifacol.2018.06.151 Conference proceedings at Scopus Article at Scopus Article at WOS

Observer-based residual generation for nonlinear discrete-time systems
Kaldmäe, Arvo; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2018 / p. 325-336 https://doi.org/10.3176/proc.2018.4.01 http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-325-336.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On test generation for microprocessors for extended class of functional faults
Oyeniran, Adeboye Stephen; **Ubar, Raimund-Johannes**; **Jenihhin, Maksim**; **Raik, Jaan** VLSI-SoC: New technology enabler : 27th IFIP WG 10.5/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2019 Cusco, Peru, October 6–9, 2019 : Revised and Extended Selected Papers 2020 / p. 21-44 https://doi.org/10.1007/978-3-030-53273-4 Conference proceedings at Scopus Article at Scopus

On the necessity and implementation of vibrodiagnostics
Teder, Leo; **Arjassov, Gennadi**; **Pappel, Toivo** BEM & FEM-2000 : Математическое моделирование в механике сплошных сред на основе методов граничных и конечных элементов : XVIII международная конференция : труды том III : 18th International Conference Mathematical Modelling in Solid Mechanics by Boundary & Finite Element Methods : May 16-20, 2000. Proceedings, III 2000 / p. 214-219 : ill

Online partial discharge diagnostics in medium voltage branched cable networks
Shafiq, Muhammad; Lehtonen, Matti; Isa, M.; **Kütt, Lauri** Proceedings of 2013 Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : Istanbul, Turkey, 13-17 May 2013 2013 / p. 246-251 : ill https://ieeexplore.ieee.org/abstract/document/6635614

Optimization of boundary scan tests using FPGA-based efficient scan architectures
Aleksejev, Igor; **Devadze, Sergei**; **Jutman, Artur**; **Shibin, Konstantin** Journal of electronic testing : theory and applications (JETTA) 2016 / p. 245-255 : ill https://doi.org/10.1007/s10836-016-5588-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of built-in self-test in digital systems = Sisseehitatud enesetestimise optimeerimine digitaalsüsteemides
Kruus, Helena 2011

Overview of e-learning environment for web-based study of testing and diagnostics of digital systems
Jutman, Artur; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich 5th European Workshop on Microelectronics Education - EWME 2004, Lausanne, 2004 2004 / p. 173-176 https://link.springer.com/chapter/10.1007/978-1-4020-2651-5_41

An overview of fuzzy logic approaches for fault diagnosis in energy conversion devices
Demidova, Galina; **Rassõlkin, 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

Overview of sensorless diagnostic possibilities of induction motors with broken rotor bars [Electronic resource]
Vaimann, Toomas; **Kallaste, Ants**; **Kilk, Aleksander** Proceedings of the 12th International Scientific Conference Electric Power Engineering 2011, Kouty nad Desnou, Czech Republic, May 17-19, 2011 2011 / [4 p.] : ill. [CD-ROM] https://www.scinapse.io/papers/2583767167

Park's vector approach for detection of broken rotor bars in frequency converter fed induced generator
Vaimann, Toomas; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 2 2012 / p. 985-988 : ill https://www.academia.edu/17399045/Parks_Vector_Approach_for_Detection_Broken_Rotor_Bars_in_Frequency_Converter_Fed_Induction_Generator

Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables
Shafiq, Muhammad; **Kiitam, Ivar**; Kauhaniemi, Kimmo; Taklaja, Paul; **Kütt, Lauri**; **Palu, Ivo** Energies 2020 / art. 4272, 14 p. : ill https://doi.org/10.3390/en13164272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance comparison of smartphones and a wearable motion sensor for patient m-assessment [Online resource]
Kask, Triin; **Kuusik, Alar** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600973

Platform independent event correlation tool for network management
Vaarandi, Risto NOMS 2002 : 2002 IEEE/IFIP Network Operations and Management Symposium "Management Solutions for the New Communications World" : proceedings 2002 / p. 907-909 https://ieeexplore.ieee.org/document/1015640

Power-constrained hybrid BIST test scheduling in an abort-on-first-fail test environment
He, Zhiyuan; **Jervan, Gert**; Peng, Zebo; Eles, Petru Proceedings : DSD'2005 : 8th Euromicro Conference on Digital System Design : Architectures, Methods and Tools : Porto, Portugal, August 30 - September 3, 2005 2005 / p. 83-86 : ill
https://ieeexplore.ieee.org/document/1559782

Precision and accuracy of pulse propagation velocity measurement in power cables
Kiitam, Ivar; **Shafiq, Muhammad**; **Choudhary, Maninder**; **Parker, Martin**; **Palu, Ivo**; **Taklaja, Paul** Energies 2023 / art. 2702
https://doi.org/10.3390/en16062702 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Proceedings of the 2011 IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 13-15, 2011, Gottbus, Germany
2011 https://www.computer.org/csdl/proceedings/ddecs/2011/12OmNvTBBbs

Proceedings of the 2012 IEEE 15th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 18-20, 2012 Tallinn, Estonia
2012 http://www.ester.ee/record=b2777270*est

Pöörlevate elektrimasinate diagnostika staatorisignaalide analüüsi meetodil
Vaimann, Toomas; **Kallaste, Ants**; **Kilk, Aleksander** Taastuvate energiaallikate uurimine ja kasutamine : neljateistkümnenda konverentsi kogumik = Investigation and Usage of Renewable Energy Sources : fourteenth conference proceedings : [8. nov. 2012, Tartu] 2012 / lk. 78-87 : ill

Red-brown pigmentation of acidipropionibacterium jensenii is tied to haemolytic activity and cyl-Like gene cluster
Smolander, Olli-Pekka; Deptula, Paulina; Loivamaa, Iida; Laine, Pia; Roberts, Richard J.; Piironen, Vieno; Paulin, Lars; Savijoki, Kirsi; Auvinen, Petri; Varmanen, Pekka Microorganisms 2019 / p. 15 p. : ill https://doi.org/10.3390/microorganisms7110512 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rejuvenation of nanoscale logic at NBTI-critical paths using evolutionary TPG
Palermo, N.; **Tihhomirov, Valentin**; Copetti, Thiago; **Jenihhin, Maksim**; **Raik, Jaan**; **Kostin, Sergei** 2015 16th Latin American Test Symposium (LATS 2015) : Puerto Vallarta, Mexico, 25-27 March 2015 2015 / [6] p. : ill
http://dx.doi.org/10.1109/LATW.2015.7102405

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]

Research and training environment for digital design and test
Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Proceedings of the Eighth IASTED International Conference on Computers and Advanced Technology in Education : August 29-31, 2005, Oranjestad, Aruba 2005 / p. 232-237 : ill
https://ieeexplore.ieee.org/document/1408779

Research environment for teaching digital test
Ivask, Eero; **Jutman, Artur**; **Orasson, Elmet**; **Raik, Jaan**; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich Synergies between Information and Automation : 49. Internationales Wissenschaftliches Kolloquium, 27.-30.9.2004, Technische Universität Ilmenau, Germany. Volume 2 2004 / p. 468-473 : ill https://pld.ttu.ee/dildis/publications/IWK'2004_res_inv.pdf

Results of thermographic diagnostics of electric grid contact junctions and generators of oil shale power plants
Dorovatovski, Nikolai; **Liik, Olev** Oil shale 2005 / 2S, p. 243-257 : ill https://artiklid.elnet.ee/record=b2346725*est

Re-using chip level DFT at board level
Gu, Xinli; **Jutman, Artur** Proceedings : 2012 17th IEEE European Test Symposium (ETS) : May 28th–June 1st, 2012, Annecy, France 2012 / 1 p https://www.academia.edu/25351525/Re_using_chip_level_DFT_at_board_level

Review of electrical machine diagnostic methods applicability in the perspective of Industry 4.0
Asad, Bilal; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants**; **Belahcen, Anouar** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 108–116 : ill https://doi.org/10.2478/ecce-2018-0013

Review of high voltage instrument transformer condition monitoring
Asefi, Sajjad; **Asad, Bilal**; **Leinakse, Madis**; **Manninen, Henri**; **Kilter, Jako**; **Vaimann, Toomas**; **Kallaste, Ants**; Tealane, Marko; Landsberg, Mart IEEE Transactions on Dielectrics and Electrical Insulation 2024 / 12 p https://doi.org/10.1109/TDEI.2024.3422260

SAPDEC: a program devoted to automatic fault diagnosis of electric circuits
Liberatore, A.; Manetti, S.; Piccirilli, Maria Cristina; Reatti, A. Automation, simulation & measurement : ASM'91 : 3rd biennal conference, Tallinn, October 7-11, 1991. Section A. Section M / Tallinn Technical University 1992 / p. 16-22: ill

Scalable algorithm for structural fault collapsing in digital circuits
Ubar, Raimund-Johannes; **Jürimägi, Lembit**; **Orasson, Elmet**; **Raik, Jaan** 2015 IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC) : October 5-7, 2015, Daejeon, Korea 2015 / p. 171-176 : ill

Self-diagnosis in digital systems = Isediagnoosivad digitaalsüsteemid
Kostin, Sergei 2012 https://www.ester.ee/record=b2757857*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

Sensorless detection of induction motor faults using the clarke vector approach
Vaimann, Toomas; **Kallaste, Ants**; **Kilk, Aleksander** Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 43-48 : ill
https://www.researchgate.net/publication/258547195_Sensorless_Detection_of_Induction_Motor_Rotor_Faults_Using_the_Clarke_Vector_Approach

A set of tools for estimating quality of built-in self-test in digital circuits
Jervan, Gert; **Markus, Antti**; **Paomets, Priidu**; **Raik, Jaan**; **Ubar, Raimund-Johannes** Proceedings of the International Symposium on Signals, Circuits and Systems, Iasi (Romania), October 2-3, 1997 1997 / p. 362-365

7-valued algebra for transition delay fault analysis
Kõusaar, Jaak; **Ubar, Raimund-Johannes** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 89-92 : ill

Shared Structurally Synthesized BDDs for speeding-up parallel pattern simulation in digital circuits
Ubar, Raimund-Johannes; **Jürimägi, Lembit**; **Raik, Jaan** 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [4] p. : ill http://dx.doi.org/10.1109/NORCHIP.2015.7364406

Shift register based TPG for at-speed interconnect BIST
Jutman, Artur MIEL 2004 : 24th International Conference on Microelectronics : Niš, Serbia and Montenegro, 16-19 May 2004 : proceedings. Volume 2 2004 / p. 751-754 : ill https://ieeexplore.ieee.org/document/1314941?signout=success

Simple event correlator - best practices for creating scalable configurations
Vaarandi, Risto; **Blumbergs, Bernhards**; Caliskan, Emin 2015 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision (CogSIMA 2015) : 9-12 March 2015, Orlando, Florida, USA 2015 / p. 96-100 http://dx.doi.org/10.1109/COGSIMA.2015.7108181

Simulating system for minicomputer diagnostic programs
Kitsnik, Peeter; **Ubar, Raimund-Johannes**; **Viilup, Agu** Preprints 1st IFAC/IFIP Symposium on Software for Computer Control, SOCOCO-76 : Tallinn, USSR, May 25-28, 1976 1976 / lk. [?] https://www.ester.ee/record=b1291026*est http://www.digar.ee/id/nlib-digar:451346

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

Sisseehitatud isetestimine digitaalsüsteemides
Kruus, Helena A & A 2011 / lk. 32-37 : ill https://artiklid.elnet.ee/record=b2472216*est

Software-based self-test for microprocessors with high-level decision diagrams = Mikroprotsessorite tarkvara-põhine enesetestimine kõrgtasandi otsustusdiagrammide põhjal
Jasnetski, Artjom 2018 https://digi.lib.ttu.ee/i/?10629 https://www.ester.ee/record=b5151486*est

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

Strained condition diagnosis and fatigue life prediction for metals under cyclic temperature oscillations
Klevtsov, Ivan 1994 http://www.ester.ee/record=b1066290*est

Structural decision diagrams in digital test : theory and applications
Ubar, Raimund-Johannes; **Raik, Jaan**; **Jenihhin, Maksim**; **Jutman, Artur** 2024 https://doi.org/10.1007/978-3-031-44734-1 https://www.ester.ee/record=b5734441*est

Structural fault collapsing by superposition of BDDs for test generation in digital circuits
Ubar, Raimund-Johannes; **Mironov, Dmitri**; **Raik, Jaan**; **Jutman, Artur** Proceedings of the Eleventh International Symposium on Quality Electronic Design ISQED 2010 : March 22-24, 2010 San Jose, California USA 2010 / p. 250-257 : ill
https://ieeexplore.ieee.org/document/5450451

Structural test generation with employment of multiple observation time strategy
Skobtsov, Vadim BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 299-302: ill

Study of bearing currents in induction machine : diagnostic possibilities, fault detection, and prediction
Kudelina, Karolina; **Raja, Hadi Ashraf**; **Naseer, Muhammad Usman**; **Autsou, Siarhei**; **Asad, Bilal**; **Vaimann, Toomas**; **Kallaste, Ants** Electrical engineering 2024 / 14 p. : ill https://doi.org/10.1007/s00202-024-02411-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A survey of broken rotor bar fault diagnostic methods of induction motor
Asad, Bilal; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants**; **Belahcen, Anouar** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 117–124 : ill https://doi.org/10.2478/ecce-2018-0014

Süntaksvigade lokaliseerimine, parandamine ja sekundaarsete vigade ellimineerimine 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

Symbolic test generation for hierarchically modeled digital systems
Zaugarov, Viktor 1993 https://www.ester.ee/record=b2090336*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 modelling and measurement under the view of design of testability and fault diagnosis of analog circuits
Liu, Ji-Gou; Frühauf, Uwe BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 295-298: ill

Teaching diagnostic modeling of digital systems with decision diagrams [Electronic resource]
Ubar, Raimund-Johannes; **Raik, Jaan**; **Mironov, Dmitri**; **Evartson, Teet**; **Orasson, Elmet**; **Aarna, Margit**; Wuttke, Heinz-Dietrich Proceedings of 12th IASTED International Conference on Computers and Advanced Technology in Education - CATE 2009 : St.Thomas, US, November 22-24, 2009 2009 / p. 1-6. [CD-ROM]

Teaching digital system test
Oyeniran, Adeboye Stephen; **Ubar, Raimund-Johannes**; **Kruus, Margus** The 27th EAEEIE Annual Conference : June 7-9, 2017, Grenoble 2017 / [6] p

Teaching research in the laboratory using diagnosis environment for digital systems
Kostin, Sergei; **Ubar, Raimund-Johannes**; **Raik, Jaan**; **Aarna, Margit**; **Brik, Marina**; Wuttke, Heinz-Dietrich 2009 EAEEIE annual conference : 20th Annual Conference of the European Association for Education in Electrical and Information Engineering : Valencia, Spain, June 22-24, 2009 2009 / p. 280-283 https://ieeexplore.ieee.org/document/5335462

Test configurations for diagnosing faulty links in NoC switches
Raik, Jaan; **Ubar, Raimund-Johannes**; **Govind, Vineeth** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 33-37 : ill

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

Test pattern generation for microprocessor systems on the alternative graph model
Ubar, Raimund-Johannes Proceedings of the 3rd Symposium of the IMEKO Technical Committee on Technical Diagnostics (TC10), held in Moscow, October 3 - 5, 1983 1985 / p. 403-410

Testentwurf für digitale Geräte mit Hilfe der Alternativgraphen
Voolaine, Andrus; Pall, Martin; **Plakk, Mari** Fehler in Automaten 1989 / S. 31-44 : Ill

Testing of systems using software
Ubar, Raimund-Johannes Concise encyclopedia of software engineering 1993 / p. 352-356

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 control of operation modes in a traction drive
Lehtla, Madis; **Joller, Jüri** The 4th Research Symposium of Young Scientists : Actual Problems of Electrical Drives and Industry Automation : Tallinn, Estonia, May 17-21, 2003 2003 / p. 77-82 : ill

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 methodology of high-voltage instrument transformers technical state index assessment
Khalyasmaa, Alexandra I.; Vinter, Iakov; Eroshenko, Stanislav A.; **Bolgov, Viktor** 2020 21-st International Symposium on Electrical Apparatus and Technologies (SIELA), 3-6 June 2020, Bourgas, Bulgaria : proceedings 2020 / 4 p https://doi.org/10.1109/SIELA49118.2020.9167110

The usage of fuzzy logic for detecting mechanical faults in gearboxes of robotic system
Autsou, Siarhei; **Kudelina, Karolina**; **Vaimann, Toomas**; **Rassõlkin, Anton** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p https://doi.org/10.1109/ICEM60801.2024.10700425

Thermographic diagnostics of electrical equipment of Eesti Energia Ltd.
Dorovatovski, Nikolai 2004 http://www.ester.ee/record=b1987660*est

A tool for teaching hierarchical fault diagnosis in digital circuits
Ubar, Raimund-Johannes; **Kostin, Sergei**; **Orasson, Elmet**; **Evartson, Teet**; **Brik, Marina** Proceedings of 9th European Workshop on Microelectronics Education – EWME'12 : Grenoble, France, May 9-11, 2012 2012 / p. 1-4

Topological analysis of SSBDDs with applications in fault diagnosis
Ubar, Raimund-Johannes Proceedings of 10th International Workshop on Boolean Problems : Freiberg, Germany, September 19-21, 2012 2012 / p. 1-16

Traction and control of light rail vehicles
Laugis, Juhan; **Lehtla, Tõnu**; **Joller, Jüri**; **Rosin, Argo**; **Vinnikov, Dmitri**; **Lehtla, Madis** 2008 http://www.ester.ee/record=b2394449*est

Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; Ghahfarokhi, Payam Shams; **Kudelina, Karolina** Applied sciences 2021 / 17 p. : ill https://doi.org/10.3390/app11062806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Ghahfarokhi, Payam Shams** Advances in machine fault diagnosis 2022 / p. 43-59 https://doi.org/10.3390/app11062806

Transition delay fault simulation with parallel critical path back-tracing and 7-valued algebra
Kõusaar, Jaak; **Ubar, Raimund-Johannes**; **Devadze, Sergei**; **Raik, Jaan** Microprocessors and microsystems 2015 / p. 1130-1138 : ill https://doi.org/10.1016/j.micpro.2015.05.003 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** 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

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

Troubleshooting process analysis and development of application for decision making enhancement

Mahmood, Kashif; **Ševtšenko, Eduard**; **Karaulova, Tatjana**; **Branten, Eva**; Maleki, Meysam 26th DAAAM International Symposium on Intelligent Manufacturing and Automation 2015 (DAAAM 2015) : Zadar, Croatia, 21-24 October 2015. Volume 1 2016 / p. 0663-0671 : ill http://dx.doi.org/10.2507/26th.daaam.proceedings.090

Turbo tester - diagnostic package for research and training
Aarna, Margit; **Ivask, Eero**; **Jutman, Artur**; **Orasson, Elmet**; **Raik, Jaan**; **Ubar, Raimund-Johannes**; Vislogubov, Vladislav; Wuttke, Heinz-Dietrich Radioelectronics and informatics 2003 / p. 69-73 : ill

UGV-type robot motion control simulation
Hiiemaa, Maido; **Tamre, Mart** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 43-46 : ill

Understanding boundary scan test with Trainer 1149
Jutman, Artur; **Devadze, Sergei**; **Shibin, Konstantin**; Rosin, Vjatšeslav; **Ubar, Raimund-Johannes** 22nd EAEEIE annual conference : June, 13-15, 2011, Maribor, Slovenija : conference book 2011 / p. 21-22 https://ieeexplore.ieee.org/document/6165727

Understanding MPSoCs : exploiting memory microarchitectural vulnerabilities of high performance NoC-based MPSoCs
Sepulveda, Johanna; **Azad, Siavoosh Payandeh**; **Niazmand, Behrad**; **Jervan, Gert** SAMOS '18 : Proceedings of the 18th International Conference on Embedded Computer Systems: Architectures, Modeling, and Simulation, Pythagorion, Greece, July 15-19, 2018 2018 / p. 162-166 https://doi.org/10.1145/3229631.3239367 Conference proceedings at Scopus Article at Scopus Article at WOS

Untestable fault identification in sequential circuits using model-checking
Raik, Jaan; Fujiwara, Hideo; **Ubar, Raimund-Johannes**; **Krivenko, Anna** 2002-2011 : 20th Anniversary compendium of papers from Asian Test Symposium 2011 / p. 257-262 : ill https://ieeexplore.ieee.org/document/4711554

Using analysis of stator current for squirrel-cage induction motor rotor faults diagnostics
Vaimann, Toomas; **Kallaste, Ants**; **Kilk, Aleksander** Electrical and Control Technologies : Proceedings of the 6th International Conference on Electrical and Control Technologies (ECT-2011), May 5-6, 2011, Kaunas, Lithuania 2011 / p. 245-250 : ill

Uued meetodid digitaalsüsteemide disaini ja diagnostika valdkonnas : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle
Ubar, Raimund-Johannes Tallinna Tehnikaülikooli aastaraamat 1998 1999 / lk. 142-145

Uurimissuuna "Arvutustehniliste seadmete ja süsteemide automatiseeritud projekteerimis- ja diagnostikasüsteemide väljatöötamine" areng
Keevallik, Andres Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986 1986 / lk. 111-113 https://www.ester.ee/record=b1258828*est

WebTT - digitaalskeemide testimine ja diagnostikaalaste õppelaborite e-keskkond : [TTÜ arvutitehnika instituut esitles e-Ülikooli konverentsil kolme õppetöös kasutatavat süsteemi]
Robal, Tarmo; **Orasson, Elmet** Mente et Manu 2005 / 5. mai, lk. 5 : fot https://www.ester.ee/record=b1242496*est

Vektoranalizatorok a technikai es orvosi diagnosztikaban
Min, Mart Mérés és automatika: megjelenik a Méréstechnikai és Automatizálási Tudományos Egyesület Szerkesztésében 1989 / p. 55-61

Vektorielle alternative graphen und Fehlerdiagnose für digitale Systeme
Ubar, Raimund-Johannes Nachrichtentechnik, Elektronik : technisch-wissenschaftlishe Zeitschrift für die gesamte elektronische Nachrichtentechnik 1981 / p. 25-28 : ill https://www.ester.ee/record=b1550811*est

Vibration and stator current spectral analysis of induction machine operating under dynamic eccentricity
Sobra, Jan; **Belahcen, Anouar**; **Vaimann, Toomas** 2015 International Conference on Electrical Drives and Power Electronics (EDPE) : 18th International Conference, 7th Joint Slovakian-Croatian Conference : proceedings : Hotel Slovan, Tatranska Lomnica, The High Tatras, Slovakia, September 21-23, 2015 2015 / p. 285-290 : ill http://dx.doi.org/10.1109/EDPE.2015.7325307

Vibrodiagnostics of the processing accuracy of machined details in metal
Arjassov, Gennadi; **Otto, Tauno** Mechanics & Materials in Design : 5th International Conference on Mechanics & Materials in Design : Portugal, 24-26 July 2006 2006 / p. 211-212

Virtual reconfigurable scan-chains on FPGAs for optimized board test
Aleksejev, Igor; **Jutman, Artur**; **Devadze, Sergei**; **Shibin, Konstantin** 2015 16th Latin American Test Symposium (LATS 2015) : Puerto Vallarta, Mexico, 25-27 March 2015 2015 / [6] p. : ill http://dx.doi.org/10.1109/LATW.2015.7102411

Автоматизированное построение программ самодиагностики микропроцессоров
Storožev, Sergei Tallinna Tehnikaülikooli Toimetised 1990 / lk. 90-97: ill

Автоматический синтез тестов для диагностики цифровых устройств
Lohuaru, Tõnu; Pall, Martin; **Ubar, Raimund-Johannes** 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 1983 / lk. 84-94 https://www.ester.ee/record=b1264310*est

Акустодиагностика свойств неоднородной стандартной вязкоупругой среды
Ravasoo, Arvi Теория и расчет тонкостенных пространственных конструкций 1985 / с. 143-151

Альтернативные графы и техническая диагностика дискретных объектов
Ubar, Raimund-Johannes Электронная техника. Серия 8, Управление качеством и стандартизация : научно-технический сборник 1988 / с. 33-57

Анализ процессов распросттранения тепла в структурах импульсных силовых приборов вблизи плоскостей спая кремниевых пластин в высоковольтные "столбы"
Glazov, Aleksei; **Korolkov, Oleg** Известия высших учебных заведений. Материалы электронной техники 2012 / с. 65-69 : ил

Анализ систем диагностики МГД-привода
Musikka, Arvo; **Oorn, Hillar**; **Jansikene, Raik** Гибкие автоматизированные производственные системы и их элементы для литейного производства 1987 / с. 48-53

Верификация на основе симуляции с нахождением и исправлением ошибок для С-дизайнов
Repinski, Urmas Программные продукты и системы = Programmnye produkty i sistemy = Software & systems 2012 / с. 229-237 : ил

Вычисление булевых производных при анализе диагностических тестов
Ubar, Raimund-Johannes Проблемы надежности при проектировании систем управления: тезисы докладов Второй Всесоюзной конференции. Вып. 3 1976 / с. 55

Генерирование групповых тестов для цифровых схем на модели альтернативных графов
Kivi, E.; **Ubar, Raimund-Johannes** Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 52-55 https://www.ester.ee/record=b1319482*est

Генерирование тестов для цифровых схем при помощи модели альтернативных графов
Ubar, Raimund-Johannes Труды по электротехнике и автоматике : сборник статей. 14 1976 / с. 75-81 https://www.ester.ee/record=b2190768*est https://digikogu.taltech.ee/et/Item/aa35e320-87b1-405b-9cac-3b90c51867d1

Декомпозиционный метод диагноза неисправностей в комбинационных схемах
Ubar, Raimund-Johannes Анализ и моделирование технических устройств и систем АСУТП 1978 / с. 3-22 : илл https://www.ester.ee/record=b2191003*est https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b

Деловая игра "Диагностика проблем деятельности предприятия" : учебно-методический материал для преподавателей и студентов экономических специальностей
Kannike, Svetlana 1997 https://www.ester.ee/record=b1059945*est

Диагноз комбинационных схем при расширенном классе неисправностей
Ubar, Raimund-Johannes Материалы всесоюзной конференции "Автоматизированное техническое проектирование электронной аппаратуры", 5-6 июня 1979 г. 1979 / с. 177-180

Диагностика кратных неисправностей в комбинационных схемах
Viilup, Agu; **Ubar, Raimund-Johannes**; Heiter, U. Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 89-94 : илл https://www.ester.ee/record=b2190624*est https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996

Единый подход к решению задач тестового диагностирования дискретных систем
Ubar, Raimund-Johannes; **Lohuaru, Tõnu**; **Evartson, Teet** IX симпозиум по проблеме избыточности в информационных системах, 3-8 июня 1986 г. : тезисы докладов 1986 / с. 32-35

Единый подход к решению задач тестового диагностирования дискретных систем
Ubar, Raimund-Johannes; **Lohuaru, Tõnu**; **Evartson, Teet** IX симпозиум по проблеме избыточности в информационных системах, 3 июня - 8 июня 1986 года : Тезисы докладов 1986 / с. 32-35

Единый подход к синтезу тестов цифровых схем и систем
Ubar, Raimund-Johannes Межреспубликанская школа-семинар по технической диагностике, 8-12 октября 1984 года : тезисы докладов 1984 / с. 75-81 : илл https://www.ester.ee/record=b1237891*est

Загрузка и пополнение базы знаний в диагностической экспертной системе
Tepandi, Jaak Обработка данных. Построение трансляторов. Вопросы программирования 1987 / с. 17-24

Измерительная аппаратура для моторного стенда
Hurt, N.; **Rebane, R.**; **Lepik, Märt** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 148 https://www.ester.ee/record=b1305565*est

Испытание впускных и выпускных тракторов ДВС
Parisalu, E.; **Vahtra, A.**; **Lepik, Märt** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 151 https://www.ester.ee/record=b1305565*est

Исследование двухдвигательного магнитогидродинамического (МГД-) привода в дозаторном режиме : дисс. на соиск. учен. степ. магистра техн. наук : 05.23.01 - электрооборудование = [Kahemootorilise magnetohüdrodünaamilise (MHD-) dosaatori uurimine]
Jansikene, Raik 1992 https://www.ester.ee/record=b2135382*est

Исследование и разработка методов анализа диагностических тестов для цифровых схем : автореферат ... кандидата технических наук (05.13.01)
Kitsnik, Peeter 1981 https://www.ester.ee/record=b1337813*est

Исследование и разработка методов анализа диагностических тестов для цифровых схем : диссертация на соискание ученой степени кандидата технических наук (05.13.01)
Kitsnik, Peeter 1980 https://www.ester.ee/record=b4632972*est

Исследование и разработка методов тестового диагностирования дискретных систем : автореферат ... доктора технических наук (05.13.13)
Ubar, Raimund-Johannes 1986 https://www.ester.ee/record=b1564280*est

Исследование и разработка методов управления поиском дефектов в цифровых схемах : автореферат .... кандидата технических наук (05.13.01)
Evartson, Teet 1986 https://www.ester.ee/record=b1301665*est

Компилятор иерархичекой модели ЦВМ
Viilup, Agu Труды по электротехнике и автоматике : сборник статей. 14 1976 / с. 83-91 : илл
https://www.ester.ee/record=b2190768*est https://digikogu.taltech.ee/et/Item/aa35e320-87b1-405b-9cac-3b90c51867d1

Комплекс средств диагностирования дискретных устройств
Ubar, Raimund-Johannes; Lohuaru, Tõnu Мир ПК 1991 / 1, с. 122-125 : ил

Метод алгоритмического генерирования тестов при контроле цифровых схем
Grigorjeva, Ksenja; **Lohuaru, Tõnu**; **Evartson, Teet** Синтез и диагностика цифровых устройств и систем 1982 / с. 75-83 : илл
https://www.ester.ee/record=b1328194*est https://digikogu.taltech.ee/et/Item/febd586e-d7fa-4fbd-bf41-40576a75f94b

Метод диагноза неисправностей в последовательностных системах
Grigorjeva, Ksenja; **Ubar, Raimund-Johannes** Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 35-44 https://www.ester.ee/record=b1281890*est https://digikogu.taltech.ee/et/Item/8e0abfe2-9020-4ebd-85d1-fd67de0d1b30

Метод локализации неисправностей при проверке цифровых схем автоматическими тестерами
Viilup, Agu; **Lohuaru, Tõnu**; **Ubar, Raimund-Johannes** Анализ и моделирование технических устройств и систем АСУТП 1977 / с. 37-45 : илл https://www.ester.ee/record=b2190987*est https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200

Метод нахождения диагностических и установочных последовательностей для сетей автоматов
Keevallik, Andres; **Kruus, Margus** Машинное проектирование электронных устройств и систем 1986 / с. 43-51

Метод построения парных диагностических тестовых последовательностей для последовательностных схем
Grigorjeva, Ksenja Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 21-30 : илл
https://www.ester.ee/record=b1264145*est https://digikogu.taltech.ee/et/Item/81bf2178-a9f8-417d-86c7-2000cca6a01e

Метод эквивалентного преобразования диагностических словарей
Ubar, Raimund-Johannes Вопросы расчета и проектирования автоматических информационных систем 1975 / с. [?]

Методические указания к лабораторным работам по диагностике автомобилей

1976 https://www.ester.ee/record=b1351544*est

Методы тестового диагностирования дискретных систем
Ubar, Raimund-Johannes Машинное проектирование электронных устройств и систем 1986 / с. 57-69

Модель ЦВМ как объекта диагностики
Viilup, Agu Анализ и моделирование технических устройств и систем АСУТП 1977 / с. 31-36
https://www.ester.ee/record=b2190987*est https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200

Модуль тарирования как средство диагностики электромагнитного дозатора
Jansikene, Raik Тезисы докладов семинара "Новые разновидности электропривода и возможности их применения" 1990 / с. 91-96: ил

Некоторые практические аспекты акустодиагностики напряженно-деформированного состояния элементов конструкций
Anissimov, V.A.; **Kutsenko, A.N.** Теория и расчет тонкостенных пространственных конструкций 1987 / с. 90-99

О возможности диагностирования загрязнения экранов топки парового котла
Bloch, A.; **Käär, Harri**; **Lausmaa, Toomas**; **Tiikma, Toomas** Tallinna Tehikaülikooli Toimetised 1992 / lk. 87-96: ill

О генерировании тестов цифровых схем в реальном времени
Grigorjeva, Ksenja; **Ubar, Raimund-Johannes** XVII областная научно-техническая конференция по вопросам повышения эффективности и качества систем и средств управления (май 1981 года) : тезисы докладов 1981 / с. 112

О развитии научно-исследовательских работ по разработке методов машинного проектирования и диагностики устройств и систем вычислительной техники
Keevallik, Andres Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 120-122 https://www.ester.ee/record=b1231513*est

О функциональном моделировании диагностических тестов в схемах ЦВМ
Vaher, V.; **Ubar, Raimund-Johannes** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 133 https://www.ester.ee/record=b1306141*est

Об автоматизации процедур синтеза тестов для дискретных систем на модели альтернативных графов
Grigorjeva, Ksenja; **Einasto, N.** Машинное проектирование электронных устройств и систем 1986 / с. 104-109

Об общей постановке задач тестовой диагностики цифровых схем
Ubar, Raimund-Johannes Труды по электротехнике и автоматике : сборник статей. 14 1976 / с. 69-73
https://www.ester.ee/record=b2190768*est https://digikogu.taltech.ee/et/Item/aa35e320-87b1-405b-9cac-3b90c51867d1

Описание неисправностей цифровых устройств
Ubar, Raimund-Johannes Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 3-9 : илл
https://www.ester.ee/record=b1264145*est https://digikogu.taltech.ee/et/Item/81bf2178-a9f8-417d-86c7-2000cca6a01e

Описание постоянных неисправностей ЦВМ
Viilup, Agu Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 69-77
https://www.ester.ee/record=b1281890*est https://digikogu.taltech.ee/et/Item/8e0abfe2-9020-4ebd-85d1-fd67de0d1b30

Описание ЦВМ моделью векторных альтернативных графов с целью синтеза диагностических микропрограмм
Ubar, Raimund-Johannes Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 11-20 : илл https://www.ester.ee/record=b1264145*est https://digikogu.taltech.ee/et/Item/81bf2178-a9f8-417d-86c7-2000cca6a01e

Оптимизация процессов диагностирования цифровых устройств в реальном времени
Grigorjeva, Ksenja; **Lohuaru, Tõnu**; **Evartson, Teet**; **Ubar, Raimund-Johannes** Вычислительная техника : тезисы докладов республиканской конференции "Автоматизированное техническое проектирование электронной аппаратуры" (1–2 июня 1982 г.) 1982 / с. 144

Персональная среда проектирование цифровых систем
Raud, Rein; **Lohuaru, Tõnu**; **Ubar, Raimund-Johannes** Автоматизация проектирования электронной аппаратуры : Межвузовский тематический научный сборник 1989 / с. 39-43

Препроцессор к системе автоматического синтеза тестов
Alango, Villem; **Kont, Toomas** Машинное проектирование электронных устройств и систем 1986 / с. 93-103

Проектирование диагностических тестов для микропроцессорных БИС и систем

Einasto, N.; **Ubar, Raimund-Johannes** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 40 https://www.ester.ee/record=b1305565*est

Разработка и исследование методов синтеза тестов для дискретных устройств на основе модели альтернативных графов : автореферат ... кандидата технических наук (05.13.01)
Plakk, Mari 1984 https://www.ester.ee/record=b1235788*est

Разработка и исследование методов синтеза тестов для дискретных устройств на основе модели альтернативных графов : диссертация на соискание ученой степени кандидата технических наук
Plakk, Mari 1984 https://www.ester.ee/record=b4634584*est

Разработка системы диагностики ЦВМ
Viilup, Agu Анализ и моделирование технических устройств и систем АСУТП 1978 / с. 23-32 : илл
https://www.ester.ee/record=b2191003*est https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b

Решение задач диагностики цифровых устройств модели альтернативных графов
Kurilova, L.; **Popova, S.**; **Tulina, M.**; **Ubar, Raimund-Johannes**; **Jakubovitš, M.** 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. 39 https://www.ester.ee/record=b1322629*est

Синтез и диагностика цифровых устройств и систем
1982 https://www.ester.ee/record=b1328194*est https://digikogu.taltech.ee/et/Item/febd586e-d7fa-4fbd-bf41-40576a75f94b

Систеиа диагностики
Kingisepp, M.; **Oja, H.**; **Normet, A.**; **Riiman, K.**; **Soomuse, E.**; **Tepandi, Jaak** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том I, Общественные науки. Физико-математические науки. Строительство. Экономика 1986 / с. 160
https://www.ester.ee/record=b1305540*est

Склеивание тестов при разработке диагностических микропрограмм
Viilup, Agu Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио. Секция "Схемотехника" 1980 / с. 9-10 https://www.ester.ee/record=b1304217*est

Тестовая диагностика цифровых устройств : учебное пособие. II, Синтез и анализ тестов. Дешифрация диагностических экспериментов
Ubar, Raimund-Johannes 1981 https://www.ester.ee/record=b1326795*est

Тестовое диагностирование дискретных систем на модели АГ
Ubar, Raimund-Johannes Техническая диагностика : VI всесоюзное совещание, Ростов н/Д, май 1987 г. : Тезисы докладов 1987 / с. 155

Универсальный подход к автоматизации проектирования тестов для широкого класса дискретных объектов
Ubar, Raimund-Johannes Машинное проектирование электронных устройств и систем 1986 / с. 70-92

Управление процессами диагноза логических схем
Toome, T.; **Ubar, Raimund-Johannes**; **Evartson, Teet** Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 55-57 https://www.ester.ee/record=b1319482*est

Управление процессом пойска дефектов в цифровых схемах содержащих счётные структуры
Viilup, Agu; **Ubar, Raimund-Johannes**; **Evartson, Teet** Межреспубликанская школа-семинар по технической диагностике, 8-12 октября 1984 года : тезисы докладов 1984 / с. 28-32 https://www.ester.ee/record=b1237891*est