

A time-domain railway noise simulation program

Nordborg, Anders Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 105-108: ill

Additive manufacturing : alloy design and process innovations

Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Agent-oriented modelling for simulation of complex environments

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

An approach for PSL assertion coverage analysis with high-level decision diagrams

Jenihhin, Maksim; Raik, Jaan; Ubar, Raimund-Johannes; Shchenova, Tatjana Proceedings of IEEE East-West Design & Test Symposium (EWDTS'10) : St. Petersburg, Russia, September 17-20, 2010 2010 / p. 13-16 : ill <https://ieeexplore.ieee.org/document/5742048>

An enhanced situational awareness of a mission for an autonomous vehicle by multirate control

Astrov, Igor; Pedai, Andrus Proceedings of the 5th WSEAS International Conference on Dynamical Systems and Control : CONTROL'09 : La Laguna, Spain, July 1-3, 2009 2009 / p. 33-39 https://www.researchgate.net/publication/228809791_An_enhanced_situational_awareness_of_a_mission_for_an_autonomous_underwater_vehicle_by_multirate_control

Analysis and study of the influence of the geometrical parameters of mini unmanned quad-rotor helicopters to optimise energy saving

Penkov, Igor; Aleksandrov, Dmitri International journal of automotive and mechanical engineering 2017 / p. 4730-4746 : ill <https://doi.org/10.15282/ijame.14.4.2017.11.0372> [Journal metrics at Scopus](#) [Article at Scopus](#)

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes

Ziko, Mehadi Hasan; Koel, Ants; Rang, Toomas; Toompuu, Jana Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 <https://doi.org/10.4028/www.scientific.net/MSF.1004.960> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Anisotropic percolating pathways in the thin films of polymeric PEDT/PSS complex and their relation to the electrical conductivity as revealed by the mesoscale simulation

Kaevand, Toomas; Kalda, Jaan; Öpik, Andres; Lille, Ülo Technological developments in networking, education and automation 2010 / p. 263-268 https://link.springer.com/chapter/10.1007/978-90-481-9151-2_46

Applications of airborne laser scanning for determining marine geoid and surface waves properties

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille European journal of remote sensing 2021 / p. 558-568 <https://doi.org/10.1080/22797254.2021.1981156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applying FPGA partial reconfiguration for digital system simulation

Arhipov, Anton; Ellervee, Peeter Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 145-148 : ill

Approach to account for external dynamics in fluid-structure interaction analysis in Abaqus

Sahk, Tarmo; Kõrgesaar, Mihkel; Yu, Zhaolong Innovations in the Analysis and Design of Marine Structures 2025 / p. 289-294 <https://doi.org/10.1201/9781003642411-35>

An approach to analyze the performance of advanced manufacturing environment

Mahmood, Kashif; Otto, Tauno; Golova, Jelena; Kangru, Tavo; Kuts, Vladimir Procedia CIRP 2020 / p. 628-633 <https://doi.org/10.1016/j.procir.2020.04.042> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

An approach to develop a digital twin for industry 4.0 systems : manufacturing automation case studies

Guerra-Zubiaga, David; Kuts, Vladimir; Mahmood, Kashif; Bondar, Alex; Nasajpour-Esfahani, Navid; Otto, Tauno International Journal of Computer Integrated Manufacturing 2021 / p. 933-949 : ill <https://doi.org/10.1080/0951192X.2021.1946857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Are “hubs” in beta-cell clusters an emergent network property or do they exist independently? : abstract

Patriarca, Marco; Scialla, Scialla; Yamakou, Marius; Heinsalu, Els; Cartwright, Julian H.E. Acta physiologica 2023 / 1 p <https://doi.org/10.1111/apha.14044>

Assessing uncertainty in the optimal placement of distributed generators in radial distribution feeders

Gautam, Rupesh; Khadka, Srikan; Malla, Tanus Bikram; Bhattarai, Abhinav; Shrestha, Ashish; Gonzalez-Longatt, Francisco Electric

power systems research 2024 / art. 110249, 13 p. : ill <https://doi.org/10.1016/j.epr.2024.110249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automation, Simulation & Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents
1992 http://www.eester.ee/record=b1064031*est

Automation, simulation & measurement. Section A, Automation. Section M, Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents
1992 http://www.eester.ee/record=b1064034*est

Autonomous driving validation and verification using digital twins
Pikner, Heiko; Malayjerd, Mohsen; Bellone, Mauro; Baykara, Baris Cem; Sell, Raivo Proceedings of the 10th International Conference on Vehicle Technology and Intelligent Transport Systems - VEHTS ; Vol. 1 2024 / p. 204-211
<https://doi.org/10.5220/0012546400003702> [Conference Proceeding at Scopus](#) [Article at Scopus](#)

Back-traced deductive-parallel fault simulation for digital systems
Hahanov, Vladimir; **Ubar, Raimund-Johannes**; Hyduke, Stanley Proceedings : Euromicro Symposium on Digital System Design : Belek-Antalya, Turkey, September 1st to 6th, 2003 2003 / p. 370-377 : ill <https://ieeexplore.ieee.org/document/1231969>

Back-tracing and event-driven techniques in high-level simulation with decision diagrams
Ubar, Raimund-Johannes; Raik, Jaan; Morawiec, Adam ISCAS 2000 Geneva : The 2000 IEEE International Symposium on Circuits and Systems : Emerging Technologies for the 21st Century : May 28-31, 2000 : proceedings. Vol. 1 2000 / p. I-208 - I-211
<https://ieeexplore.ieee.org/document/857064>

Benchmarking Danish, Estonian and Finnish NZEB requirements with European Commission recommendations in residential and office buildings
Simson, Raimo; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; **Kurnitski, Jarek** Energy and Buildings 2025 / art. 116086
<https://doi.org/10.1016/j.enbuild.2025.116086>

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

Block diagram modeling and simulation in a bond graph framework
Pastravanu, Adriana; Gogu, Mircea BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 221-224: ill

Boolean derivatives and multi-valued simulation on binary decision diagrams
Ubar, Raimund-Johannes Proceedings of the 4th International Workshop Mixed Design of Integrated Circuits and Systems : MIXDES'97 : Poznan, Poland, 12-14 June 1997 1997 / p. 115-120

Carrier scattering models for particle dynamics semiconductor device simulation methods
Tarnay, K.; Gali, A.; Csaba, Gy. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 67-70: ill

Case studies of the proposed modelling and simulation methodology
Karaulova, Tatjana; Papstel, Jüri DAAAM international scientific book 2004 2004 / p. 303-312 : ill

CATV - architecture and simulation network
Volner, Rudolf; Boreš, Petr; Ticha, Daša BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 211-214: ill

CCD IK implementatsion in unity for finding the angles of industrial robots' links
Nutonen, Karle; Kuts, Vladimir; Otto, Tauno ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / art. IMECE2024-142320, V002T03A072 ; 5 p. <https://doi.org/10.1115/IMECE2024-142320>

CFD comparison of the influence of casting of samples on the fiber orientation distribution
Goidyk, Oksana; Heinštein, Mark; Hermann, Heiko Fibers 2023 / art. 6 <https://doi.org/10.3390/fib11010006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CFD simulation of particle size distribution in suspension crystallization
Sha, Zuo-Liang; Yang, Guang-Yu; Louhi-Kultanen, Marjatta; **Kallas, Juha** ACFD 2000 Beijing : International Conference on Applied Computational Fluid Dynamics : October 17-20, 2000, Beijing, China : selected papers 2000 / p. 53-59 : ill

Class-E inverter: SPICE simulation including parasitic elements

Liberatore, A.; Manetti, S.; Piccirilli, Maria Cristina; Reatti, A. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 69-75: ill https://www.ester.ee/record=b1064031*est

CoCo-SIM : object-oriented multi-pole modelling and simulation environment for fluid power systems. Part 1, Fundamentals

Grossschmidt, Gunnar; Harf, Mait International journal of fluid power 2009 / 2, p. 91-100 : ill https://www.researchgate.net/publication/313134680_COCO-SIM_-_Object-oriented_multi-pole_modeling_and_simulation_environment_for_fluid_power_systems_Part_1_Fundamentals

CoCo-SIM : object-oriented multi-pole modelling and simulation environment for fluid power systems. Part 2, Modelling and simulation of hydraulic-mechanical load-sensing system

Grossschmidt, Gunnar; Harf, Mait International journal of fluid power 2009 / 3, p. 71-85 : ill

Code generation and simulation of situation aware networked systems

Karpištšenko, Andre Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 136-139 : ill

Collision consequence assessment of ROPAX vessels operating in the Baltic Sea

Tabri, Kristjan; Ehlers, Sören; Kõrgesaar, Mihkel; Stahlberg, Kaarle; Heinvee, Martin Proceedings of the ASME 2012 31st International Conference on Ocean, Offshore and Arctic Engineering : OMAE2012 : July 1-6, 2012, Rio de Janeiro, Brazil 2012 / OMAE2012-83626, [9] p.: ill <https://asmedigitalcollection.asme.org/OMAE/proceedings/OMAE2012/44892/375/268786>

Compaction of circular ice floes - comparing experiments and 3D discrete element simulations

Tuhkuri, Jukka; Hopkins, Mark A. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 272-275: ill

Comparative analysis of toolboxes to explore power converters of electrical drives

Egorov, Mikhail 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. 193-199 : ill

Comparative study on numerical hydroelastic analysis of impact-induced loads

Yan, Dongni; Hosseinzadeh, Saeed; Lakshminarayanan, Puramharikrishnan; Mikkola, Tommi; Hirdaris, Spyros 23rd Numerical Towing Tank Symposium : 11th – 13th October 2021 Mülheim an der Ruhr, Germany 2021 / p. 150-155 : ill https://www.uni-due.de/ISMT/ismt_nutts_2021.php

Comparison between RANS & DNS simulations of particle dispersion/collision in vertical turbulent pipe flows

Kartušinski, Aleksander HPC-Europa Science and Supercomputing in Europe : Bologna (Italy) 2006 / p. 402-404

Comparison between the dynamic behavior of the non-stepped and double-stepped planing hulls in rough water: A numerical study

Esfandiari, Arman; Tavakoli, Sasan; Dashtimanesh, Abbas Journal of ship production and design 2020 / Paper Nr: SNAME-JSPD-2020-36-1-52 ; p. 52–66 <https://doi.org/10.5957/jspd.2020.36.1.52>

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

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

A comparison of parameterized, simulated and measured eddy diffusivities in the Gulf of Finland

Lilover, Madis-Jaak; Stips, Adolf Konrad BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 119

Comparison of photic and microwave simulation effects on EEG

Hinrikus, Hiie; Parts, Maie; Lass, Jaanus; Tuulik, Viu Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 482-489 : ill

Comparison of the RANS and PDF methods for air-particle flows

Kartušinski, Aleksander; Michaelides, Efsthathios; Zaichik, Leonid International journal of multiphase flow 2009 / 10, p. 914-923 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0301932209000986>

Comparison of the simulation of turbulent particulate flow in pipes using the TBL, RANS and PDF methods [Electronic resource]

Kartušinski, Aleksander; Michaelides, Efsthathios; Zaichik, Leonid 6th International Conference on Multiphase Flow : ICMF2007 : Leipzig, Germany, July 9-13 2007 / [9] p. [CD-ROM]

A comparison of two approaches for ship collision simulations : dynamic calculations versus displacement controlled calculations

Tabri, Kristjan; Broekhuijsen, J.; Villavicencio, R. Proceedings of the 10th Finnish Mechanics Days = X Suomen Mekaniikkapäivät : Jyväskylän yliopisto, 3.-4. joulukuuta 2009 2010 / p. 5-16 : ill

Complex simulation of punchthrough, tunneling and high-speed characteristics of scaled bipolar devices and circuits

Bubennikov, Alexander N.; Ishevsky, D.V. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 26-31: ill https://www.ester.ee/record=b1064031*est

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

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

A Comprehensive Study of Partial Discharge Based Extrinsic Aging in Nomex Insulation Films : Modeling, Simulation and Measurement

Choudhary, Maninder; Shafiq, Muhammad; Bhattarai, Abhinav; **Kiitam, Ivar; Taklaja, Paul; Palu, Ivo** Electric Power Systems Research 2025 / art. 111663 <https://doi.org/10.1016/j.eprsr.2025.111663>

Computational aspects of nodal method for simulation of electronic circuits

Laksberg, Edgar 1983

Computational fluid dynamics simulations of a biomimetic underwater robot

Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August, 2007 2007 / p. 314-319 https://ims.ut.ee/images/d/d4/Listak_icar2007_15_03.pdf

Computational kernel extraction for synthesis of power-managed sequential components

Sudnitsõn, Aleksander Proceedings of the 9th IEEE International Conference on Electronics, Circuits and Systems : ICECS'2002, Dubrovnik, Croatia 2002 / p. 749-752 <https://ieeexplore.ieee.org/abstract/document/1046277>

Computer models for simulation and control of a traction supply system [Electronic resource]

Lehtla, Madis; Laugis, Juhan EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1372-1377 : ill. [CD-ROM]
https://www.researchgate.net/publication/224382843_Computer_Models_for_Simulation_and_Control_of_a_Traction_Supply_System

Conflict expansion in an information rich society : feasibility of corrective actions

Tepandi, Jaak; Vassiljev, Stanislav Innovations and advances techniques in systems, computing sciences and software engineering 2008 / p. 231-236 https://link.springer.com/chapter/10.1007/978-1-4020-8735-6_44

Control basics of a flywheel-powered uninterruptible motor drive

Hõimoja, Hardi; Vinnikov, Dmitri; Rosin, Argo 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. 289-292 : ill

Control of hovering manoeuvres in unmanned helicopter for enhanced situational awareness

Astrov, Igor; Pedai, Andrus Proceedings of the 2009 IEEE International Conference on Mechatronics and Automation : August 9-12, Changchun, China 2009 / p. 143-146 : ill <https://ieeexplore.ieee.org/document/5156580>

Control system simulation of a 40kW half-bridge isolated DC/DC converter [Electronic resource]

Roasto, Indrek; Vinnikov, Dmitri EPE 2007 : 12th European Conference on Power Electronics and Applications : 2-5 September 2007, Aalborg, Denmark 2007 / [10] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4417224>

Convergence of output signal based combination of two LMS adaptive filters

Trump, Tõnu IEEE 26-th Convention of Electrical and Electronics Engineers in Israel (IEEEI 2010) : Nov. 17-20, 2010, Eilat 2010 / p. 109-113 <https://ieeexplore.ieee.org/document/5661910>

Cooperative norms and defection in Prisoner's dilemma game : analytic narratives on evolution of strategic non-cooperative behaviour in the network

Pöder, Kaire Working papers in economics. Volume 23 (TUTWPE No 159-162) 2007 / TUTWPE No 162, p. 53-67 : ill
https://artiklid.elnet.ee/record=b1022276*est

Correlation of the morphology and electrical conductivity in thin films of PEDT/PSS complex: an integrated meso-scale simulation study

Kaevand, Toomas; Kalda, Jaan; Kukk, Vello; Öpik, Andres; Lille, Ülo Molecular simulation 2011 / p. 495-502 : ill
<https://www.tandfonline.com/doi/abs/10.1080/08927022.2011.554549>

Creating the classes with NUT language for chain system simulation

Grossschmidt, Gunnar; Vanaveski, Jüri; Harf, Mait; Züger, Armin Proceedings : NordDesign '98 : August 26-28, 1998, Royal Institute of Technology, Stockholm, Sweden 1998 / p. 147-156: ill

Criteria of management process estimation

Kramarenko, Sergei; Karaulova, Tatjana Proceedings of the 5th International Conference of DAAAM Baltic : Industrial Engineering - Adding Innovation Capacity of Labour Force and Entrepreneur : 20-22 April 2006, Tallinn, Estonia 2006 / p. 207-212 : ill

A critical study of semiconductor device simulation methods

Tarnay, K. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 9-16: ill

Crowd evacuation using agent-based model in VR simulation

Wang, Ruxin 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 85-86 : ill
https://www.ester.ee/record=b5183874*est

Cycle-based simulation algorithms for digital systems using high-level decision diagrams

Morawiec, Adam; **Ubar, Raimund-Johannes; Raik, Jaan** Design, Automation and Test in Europe : Conference and Exhibition 2000 : Paris, France, March 27-30, 2000 : proceedings 2000 / p. 743 <https://ieeexplore.ieee.org/document/840876>

Cycle-based simulation with decision diagrams

Ubar, Raimund-Johannes; Morawiec, Adam; **Raik, Jaan** Design, Automation and Test in Europe : DATE : Conference and Exhibition 1999 : Munich, Germany, March 9-12, 1999 : proceedings 1999 / p. 454-458: ill <https://ieeexplore.ieee.org/document/761165>

DECIDER : a decision diagram based hierarchical test generation system

Jervan, Gert; Markus, Antti; Raik, Jaan; Ubar, Raimund-Johannes Proceedings of the 2nd International Workshop on Design and Diagnostics of Electronic Circuits and Systems, Szczyrk, Poland, September 2-4, 1998 1998 / p. 269-273
<https://www.ida.liu.se/labs/eslab/publications/pap/db/DDECS98.pdf>

Decision making and strategic planning for disaster preparedness with a multi-criteria-analysis decision support system

Schlobinski, Sascha; Zuccaro, Giulio; Scholl, Martin; Meiers, Daniel; Denzer, Ralf; Guarino, Sergio; Engelbach, Wolf; **Taveter, Kuldar;** Frysinger, Steven Environmental Software Systems : Infrastructures, Services and Applications : 11th IFIPWG 5.11 International Symposium, ISESS 2015, Melbourne, VIC, Australia, March 25-27, 2015 : proceedings 2015 / p. 178-186 : ill
https://doi.org/10.1007/978-3-319-15994-2_17 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Deductive fault simulation on structurally synthesized BDDs

Aarna, Margit; Ubar, Raimund-Johannes; Raik, Jaan BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3-6, 2004, Tallinn, Estonia 2004 / p. 11 : ill

Defect-oriented fault simulation and test generation in digital circuits

Kuzmich, W.; Pleskacz, Witold A.; **Raik, Jaan; Ubar, Raimund-Johannes** IEEE ISQED 2001 : proceedings of the IEEE 2001 2nd International Symposium on Quality Electronic Design : March 26-28, 2001, San Jose, California 2001 / p. 365-371
<https://ieeexplore.ieee.org/document/915257>

Defect-oriented test generation and fault simulation in the environment of MOSCITO

Schneider, Andre; Diener, Karl-Heinz; Gramatova, Elena; Fisherova, Maria; **Ivask, Eero; Ubar, Raimund-Johannes;** Pleskacz, Witold A.; Kuzmich, W. BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 303-306 : ill

Demand and supply chain simulation in telecommunication industry by multi-rate expert systems

Pedai, Andrus; Astrov, Igor Proceedings of World Academy of Science, Engineering and Technology 2008 / p. 268-270 : ill

Demand and supply chain simulation in telecommunication industry by multi-rate expert systems [Electronic resource]

Pedai, Andrus; Astrov, Igor WCSET 2008 CD-ROM proceedings : 2008 World Congress on Science, Engineering and Technology (WCSET 2008, Prague, Czech Republic, July 25-27, 2008) 2008 / p. 268-270 [CD-ROM]

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 model for turbulence induced random intensity distribution simulation in the laser beam cross-section

Taklaja, Andres BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 357-358: ill

Design of a configurable order statistic filter in CMOS VLSI

Hu, M.; Vainio, Olli BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 305-308: ill

Design of a hydraulic-mechanical load-sensing system using object-oriented modelling and simulation

Grossschmidt, Gunnar; Harf, Mait 21st European Conference on Modelling and Simulation : ECMS 2007 : Simulations in United Europe : June 4th-6th, 2007, Prague, Czech Republic 2007 / p. 383-390 https://www.scs-europe.net/conf/ecms2007/ecms2007-cd/ecms2007/ecms2007%20pdf/e_0045.pdf

Design of an environment for agent-based simulation of air-to-air business processes

Sterling, Leon; **Taveter, Kuldar** The 7th European Workshop on Multi-Agent Systems : EUMAS 2009 : Ayia Napa, Cyprus, December 17-18, 2009 : proceedings 2009 / ? p

Design of experimental stand for human gait imitation

Zhigailov, Sergei; Musalimov, Victor; Arjassov, Gennadi Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 300-304 : ill

Design of three-rate stochastic multivariable continuous-time control systems

Astrov, Igor; Em, Juri; Rüstern, Ennu BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 325-328: ill

Design of two-rate stochastic multivariable continuous-time control systems: autonomous isolated subsystems with various rates of transients

Astrov, Igor; Em, Juri; Rüstern, Ennu BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 321-324: ill

Design technologies for system-on-chip : fault simulation in complex digital designs

Hahanov, V.; **Ubar, Raimund-Johannes** Автоматизированные системы управления и приборы автоматики, 2003 2003 / p. 16-35

Desired trajectory generation of a quadrotor helicopter using hybrid control for enhanced situational awareness

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu Proceedings of the 2010 IEEE International Conference on Information and Automation : June 20-23, Harbin, China 2010 / p. 1003-1007 : ill <https://ieeexplore.ieee.org/document/5512295>

Detection of stellar wakes in the Milky Way: A deep learning approach

Pöder, Sven; Pata, Joosep; Benito, María; Asensio, Isaac Alonso; Vecchia, Claudio Dalla Astronomy and astrophysics 2025 / art. A227 <https://doi.org/10.1051/0004-6361/202451480>

Deterministic traffic generator for network-on-chip simulator

Tagel, Mihkel; Jervan, Gert Workshop Digest. Diagnostic Services in Network-on-Chips - Test, Debug, and On-Line Monitoring : DATE 2007 : Nice, France, 16-20 April, 2007 2007 / p. 288-290

Deterministic traffic generator for network-on-chip simulator

Tagel, Mihkel; Jervan, Gert Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 72-75 : ill

Development of a bio-impedance signal simulator on the basis of the regression based model of the cardiac and respiratory impedance signals

Muhammad, Yar; Le Moullec, Yannick; Annus, Paul; Min, Mart 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 92-95 : ill https://doi.org/10.1007/978-3-319-12967-9_25 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of a validation regime for an autonomous campus shuttle

Medrano-Berumen, Christopher; **Malayjerdi, Mohsen**; Ilhan Akbas, Mustafa; **Sell, Raivo** IEEE SoutheastCon 2020, Raleigh, NC, 28-29 March 2020 : IEEE Region 3's annual conference : virtual : proceedings 2020 / 8 p <https://doi.org/10.1109/SoutheastCon44009.2020.9249692>

Development of quantum cascade laser simulation software

Udal, Andres; Reeder, Reeno; Ikonic, Zoran; Harrison, Paul; **Velmr, Enn** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 47-48 : ill https://www.ester.ee/record=b2150914*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

Digital self-interference cancellation: algorithmic performance analysis and software defined radio based realization
Rani, Ritu; **Le Moulec, Yannick** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277345>

Digital twin based learning from demonstration system for industrial robots
Bondarenko, Yevhen; Pizzagalli, Simone Luca; Kuts, Vladimir; Petlenkov, Eduard; Otto, Tauno ASME 2023 International Mechanical Engineering Congress and Exposition (IMECE2023) : proceedings. Vol. 3 2024 / art. IMECE2023-113240, V003T03A081 <https://doi.org/10.1115/IMECE2023-113240>

Digital twin based synchronized control and simulation of the industrial robotic cell using virtual reality
Kuts, Vladimir 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 87-88 : ill https://www.ester.ee/record=b5183874*est

Discussion on the subject "Simulation techniques in water resources systems"
Aitsam, Ain Proceedings of the Thirteenth Congress of the International Association of Hydraulic Research 31 august - 5 september, 1969 [Kyoto, Japan] 1969 / p. [?]

Distributed average integral control based energy management model
Shaukat, Neelofar; Khan, Bilal; Qureshi, Muhammad Bilal; Jawad, Muhammad; **Shabbir, Noman; Daniel, Kamran** 2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG) 2023 / 5 p <https://doi.org/10.1109/ETFG55873.2023.10407358>

Dynamic analysis of digital circuits with 5-valued simulation
Ubar, Raimund-Johannes Mixed design of integrated circuits and systems 1998 / p. 187-192: ill https://link.springer.com/chapter/10.1007/978-1-4615-5651-0_29

Dynamic analysis of digital circuits with multi-valued simulation
Ubar, Raimund-Johannes Microelectronics journal 1998 / 11, p. 821-826: ill

Dynamic qualities of electrical drive with a synchronous machine
Jansikene, Raik 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. 160-163 : ill

Dynamic state space model based analysis of a three-phase induction motor using nonlinear magnetization inductance
Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Belahcen, Anouar 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 260-265 : ill <https://doi.org/10.1109/EPE.2018.8396039>

Editorial: Air-sea interaction and oceanic extremes
Wu, Lichuan; Song, Jinbao; Esters, Leonie; **Alari, Victor** Frontiers in Marine Science 2024 / art. 1522866 <https://doi.org/10.3389/fmars.2024.1522866> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of imperfect CSI on interference alignment in multiple-high altitude platforms based communication
Sudheesh, P.G.; **Sharma, Navuday**; Magarini, Maurizio; Muthuchidambaranathan, Palanivel Physical communication 2018 / p. 336-342 : ill <https://doi.org/10.1016/j.phycom.2017.11.002>

Effect of subcontracting on construction scheduling
Soekov, Erki; Lill, Irene Recent Researches in Social Science, Digital Convergence, Manufacturing and Tourism : International Conference on Social Science, Social Economy and Digital Convergence (IC-SSSE-DC '11) : International Conference on Manufacturing, Commerce, Tourism and Services (ICM-CTS '11) : Lanzarote, Canary Islands, Spain, May 27-29, 2011 2011 / p. 105-110 : ill https://www.researchgate.net/publication/268185171_Effect_of_Subcontracting_on_Construction_Scheduling

Effective cross-section method for timber frame assemblies – definition of coefficients and zero-strength layers
Tiso, Mattia; Just, Alar; Schmid, Joachim; Klippel, Michael Book of abstracts of the final conference COST FP 1404 "Fire Safe Use of Bio-Based Building Products", Zürich, 1st and 2nd October 2018 2018 / p. 20-24 : ill [Fire Safe Use of Bio-Based Building Product](#)

Effective simulation of dynamic neural network
Strausz, György BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 241-244: ill

Effects of step configuration on hydrodynamic performance of one- and doubled-stepped planing flat plates: A numerical simulation
Dashtimanesh, Abbas; Roshan, Fatemeh; Tavakoli, Sasan; Kohansal, Ahmadreza; Barmala, Bahare Proceedings of the institution of mechanical engineers, part M: journal of engineering for the maritime environment 2020 / p. 181-195 <https://doi.org/10.1177/1475090219851917>

Efficiency optimization of mini unmanned multicopter

Penkov, Igor; Aleksandrov, Dmitri International review of aerospace engineering 2017 / p. 277-281 : ill

<https://doi.org/10.15866/irease.v10i5.12132> [Journal metrics at Scopus](#) [Article at Scopus](#)

Efficient single-pattern fault simulation on structurally synthesized BDDs

Raik, Jaan; Ubar, Raimund-Johannes; Devadze, Sergei; Jutman, Artur Dependable Computing - EDCC-5 : 5th European Dependable Computing Conference : Budapest, Hungary, April 20-22, 2005 : proceedings 2005 / p. 332-344 : ill

Elastic wave Talbot effect in solids with inclusions

Berezovski, Arkadi; Tang, Wen-Xin; Wan, Weishi Mechanics research communications 2014 / p. 21-26 : ill

<https://doi.org/10.1016/j.mechrescom.2014.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electroconductive oxide ceramics with graphene-encapsulated fillers

Hussainova, Irina; Drozdova, Maria; Ivanov, Roman; Kale, Sudhir S.; Jasiuk, Iwona Proceedings of the 42nd international conference on advanced ceramics and composites 2019 / p. 251-258 <https://doi.org/10.1002/9781119543343.ch25> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electrothermal simulation of power semiconductor devices

Freidin, Boris; Velmre, Enn; Udal, Andres Proceedings of the 1991 International Workshop on VLSI Process and Device Modeling, 26-27 May, 1991, Oiso, Kanagawa, Japan 1991 / p. 28-29

Electro-thermal simulations and forward surge current failure prediction for SiC diodes

Velmre, Enn; Udal, Andres Program of 17th Nordic Semiconductor Meeting, Trondheim, Norway, June 17-20, 1996 1996 / p. 28

Electrowetting as a tool for droplet actuation : electrode design and simulation

Giannitsis, Athanasios; Cahill, Brian; **Land, Raul;** Gastrock, G.; Pliquet, Uwe; Nacke, T.; **Min, Mart;** Beckmann, Dieter Tagungsband : Technische Systeme für die Lebenswissenschaften : 14. Heiligenstädter Kolloquium : Heiligenstadt (Germany), 22.9-24.9.2008 2008 / p. 433-442

Elektrisüsteemi arvutamise alused reaajasimulatsioonide raamistik : harjutused

Leinakse, Madis; Andreesen, Guido; Campos, Nathalia de Moraes Dias 2022 https://haldus.taltech.ee/sites/default/files/2023-02/EE_ins_Elektris%C3%BCsteemi_arvutamise_alused_reaajasimulatsioonide_raamistik_Harjutused.pdf

Elutähtsate teenuste ristsõltuvuse analüüs

Laud, Peeter; **Bahsi, Hayretdin; Lenin, Aleksandr;** Mändmaa, Kalev; **Priisalu, Jaan;** Tuuling, Reedik Sõjateadlane 2020 / lk. 207-237 https://www.ester.ee/record=b4555087*est

Emergence of solitonic structures in hierarchical Korteweg-de Vries Systems

Salupere, Andrus; Lints, Martin; Illison, Lauri Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 89-124 https://doi.org/10.1007/978-3-030-29951-4_5 https://www.ester.ee/record=b5303400*est

Energy management implementation approach for droop-controlled residential DC nanogrids

Hasan, Sayeed; Chub, Andrii; Yadav, Neelesh; Blinov, Andrei; Kurnitski, Jarek; Vinnikov, Dmitri 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144665>

Enhancing situational awareness by means of hybrid adaptive neural control of vertical flight in unmanned helicopter [Electronic resource]

Pedai, Andrus; Astrov, Igor ICCAS 2008 CD-ROM proceedings : International Conference on Control, Automation and Systems 2008 (ICCAS 2008, Seoul, Korea, October 14-17, 2008) 2008 / p. 329-332 [CD-ROM] <https://ieeexplore.ieee.org/document/4694666>

Enhancing situational awareness through multirate control of an autonomous underwater vehicle

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu Proceedings of the 2009 IEEE International Conference on Mechatronics and Automation : August 9-12, Changchun, China 2009 / p. 1184-1189 : ill <https://ieeexplore.ieee.org/document/5246459?reload=true&arnumber=5246459>

Enhancing situational awareness through neural regulation of take-off and landing manoeuvres in unmanned helicopter

Astrov, Igor; Pedai, Andrus Recent advances in computational intelligence, man-machine systems and cybernetics : proceedings of 7th WSEAS International Conference on Computational Intelligence, Man-machine Systems and Cybernetics (CIMMACS'08) : Cairo, Egypt, December 29-31, 2008 2008 / p. 29-34 https://www.researchgate.net/publication/228896465_Enhancing_situational_awareness_through_neural_regulation_of_take-off_and_landing_manoeuvres_in_unmanned_helicopter

EOS - Environment & Oil Spill Response. An analytic tool for environmental assessments to support oil spill response planning: Framework, principles, and proof-of-concept by an Arctic example

Wegeberg, S.; Fritt-Rasmussen, J.; Gustavson, K.; **Lilover, Madis-Jaak;** Boertmann, D.; Christensen, T.; Johansen, K. L.; Spelling-Clausen, D.; Riget, F.; Mosbech, A. Marine pollution bulletin 2024 / art. 115948 <https://doi.org/10.1016/j.marpolbul.2023.115948> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating fault emulation on FPGA

Ellervee, Peeter; Raik, Jaan; Tihomirov, Valentin; **Tammemäe, Kalle** Field-Programmable Logic and Applications : 14th International Conference, FPL 2004 : Antwerp, Belgium, August 30-September 1, 2004 : proceedings 2004 / p. 354-363 : ill https://link.springer.com/chapter/10.1007/978-3-540-30117-2_37

Evaluating outdoor thermal comfort using a mixed-method to improve the environmental quality of a university campus

Eslamirad, Nasim; Sepulveda Luque, Abel; De Luca, Francesco; Lylykangas, Kimmo Sakari Energies 2022 / art. 1577, 26 p. : ill <https://doi.org/10.3390/en15041577> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation and comparison of various calculation zone analysis for dynamic simulation software's

Voll, Hendrik; Seinre, Erkki International Journal of Mathematics and Computers in Simulation 2011 / p. 190-197 : ill

Evaluation of dynamic simulation software's to meet the minimum requirements of energy efficiency in Estonia

Voll, Hendrik; Seinre, Erkki; Tark, Teet Application of Mathematics and Computer Engineering : American Conference on Applied Mathematics (AMERICAN-MATH '11) : 5th WSEAS International Conference on Computer Engineering and Application (CEA'11), Puerto Morelos, Mexico, January 29-31, 2011 2011 / p. 129-134 : ill https://www.academia.edu/79515755/Evaluation_of_dynamic_simulation_softwares_to_meet_the_minimum_requirements_of_energy_efficiency_in_Estonia

Evaluation of noise reduction by means of the noise barriers on the basis of traffic flow simulation

Pospelov, Pavel Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 315-318: ill

The evaluation of substations asset management methods cost-efficiency by using numerical simulations

Andreesen, Guido 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. 83-84 : ill https://www.ester.ee/record=b5504019*est

Evaluation of VRLA battery under overcharging : model for battery testing

Tenno, Ander; Tenno, Robert; Suntio, Teuvo Journal of power sources 2002 / p. 65-82 <https://www.sciencedirect.com/science/article/pii/S0378775302002768>

Event driven method for transient simulation of high frequency digital circuits

Popescu, Gabriel-Stefan; Tarniceriu, Daniela BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 253-256: ill

Event-based optimization of air-to-air business processes

Sterling, Leon; **Taveter, Kuldar** Intelligent Complex Event Processing : AAAI Spring Symposium on Intelligent Event Processing : March 23-25, 2009, Stanford, California, USA 2009 / p. 80-85 https://www.researchgate.net/publication/221251496_Event-based_Optimization_of_Air-to-Air_Business_Processes

Exercise Neptune : maritime cybersecurity training using the navigational simulators

Lovell, Kieren Nicolas Proceedings of the 5th Interdisciplinary Cyber Research Conference 2019 : 29th of June 2019, Tallinn University of Technology 2019 / p. 34-37 https://www.ester.ee/record=b5238490*est

Experimental and analytical modelling of pelvic motion = Vaagna liikumise eksperimentaalne ja analüütiline modelleerimine

Žigailov, Sergei 2016 https://www.ester.ee/record=b4601194*est

Experimental and numerical penetration response of laser-welded stiffened panels

Kõrgesaar, Mihkel; Romanoff, Jani; Remes, Heikki; Palokangas, Pekka International journal of impact engineering 2018 / p. 78-92 : ill <https://doi.org/10.1016/j.ijimpeng.2017.12.014>

Exploiting high-level descriptions for circuits fault tolerance assessments

Benso, A.; Prinetto, Paolo; Rebaudengo, M.; Sonza Reorda, Matteo; **Raik, Jaan; Ubar, Raimund-Johannes** 1997 IEEE International Symposium on Defect and Fault Tolerance in VLSI Systems, Paris, October 20-22, 1997 1997 / p. 212-216 <https://ieeexplore.ieee.org/document/628327>

Fault analysis of manufacturing systems as additional constraint by simulation

Karaulova, Tatjana; Papstel, Jüri International journal of simulation modelling 2003 / 1/2, p. 5-13 : ill

Fault analysis of manufacturing systems as additional constraint by simulation

Karaulova, Tatjana; Papstel, Jüri DAAAM international scientific book 2003 2003 / p. 295-304 : ill

FEA wear simulation of a conical spinning contact

Põdra, Priit OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 135-145: ill https://www.ester.ee/record=b1083704*est

FEA wear simulation of a spinning contact

Põdra, Priit; Tamre, Mart; Andersson, Sören OST-95 Symposium on Machine Design : proceedings, Oulu, Finland, May 18-19, 1995 1995 / p. 98-105: ill https://www.ester.ee/record=b1033949*est

Finite element based meta-modeling of ship-ice interaction at shoulder and midship areas for ship performance simulation

Li, Fang; **Kõrgesaar, Mihkel;** Kujala, Pentti; Goerlandt, Floris Marine structures 2020 / art. 102736

<https://doi.org/10.1016/j.marstruc.2020.102736> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Flight control of unmanned rotorcrafts for enhanced situational awareness

Astrov, Igor 2014 https://www.ester.ee/record=b4528435*est

Flight trajectory control of an eight-rotor UAV for enhanced situational awareness

Astrov, Igor; Pedai, Andrus Recent Researches in System Science : proceedings of the 15th WSEAS International Conference on Systems (part of the 15th WSEAS CSCC Multiconference) : Corfu Island, Greece, July 14-16, 2011 2011 / p. 77-82

<http://www.wseas.us/e-library/conferences/2011/Corfu/SYSTEMS/SYSTEMS-10.pdf>

Fluid-structure interaction analysis of impact-induced loads and hydroelastic responses of ship structures = Vedeliku ja konstruktsiooni vastasmõju analüüs löökkkoormuste ja konstruktsiooni hüdroelastse vaste hindamiseks

Hosseinzadeh, Saeed 2023 <https://doi.org/10.23658/taltech.59/2023> <https://digikogu.taltech.ee/et/Item/eb163b6d-295e-4e54-bc05-6d6042ed643b> https://www.ester.ee/record=b5640851*est

Formal development of multi-vessel navigation of maritime autonomous systems using UPPAAL STRATEGO

Shokri-Manninen, Fatima; **Vain, Jüri;** Walden, Marina 32nd Nordic Workshop on Programming Theory, NWPT 2021, Reykjavik, Iceland, and online, 4-6 November 2021 2021 / 4 p

<http://icetcs.ru.is/nwpt21/abstracts/paper7.pdf> <http://icetcs.ru.is/nwpt21/programme.html>

FPGA-based fault emulation of synchronous sequential circuits

Ellervee, Peeter; Raik, Jaan; Tammemäe, Kalle; Ubar, Raimund-Johannes IET computers and digital techniques 2007 / 2, p. 70-76 : ill <https://ieeexplore.ieee.org/abstract/document/1423822>

Free fall water entry of a two-dimensional asymmetric wedge in oblique slamming : a numerical study

Hosseinzadeh, Saeed; Izadi, Mohammad; **Tabri, Kristjan** ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering : Vol. 8: CFD and FSI, August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-18645, V008T08A013 ; 8 pages <https://doi.org/10.1115/OMAE2020-18645> Conference proceedings at Scopus Article at Scopus

Frequency pattern fitting in an extended block-adaptive Fourier analyser - III: necessary detunings

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 221-224 : ill

Frequency-optimized rectangular pulses for deep brain stimulation

Gordon, Rauno; Min, Mart; Land, Raul The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Fuzzy gradient control of electric vehicles at blended braking with volatile driving conditions

Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; **Raud, Zoja** ICINCO 2020 : 17th International Conference on Informatics in Control, Automation and Robotics, July 7-9, 2020 : online 2020 / p. 250-261 <http://wikicfp.com/cfp/servlet/event.showcfp?eventid=97093©ownerid=45217>

Fuzzy logic in simulation of Lockheed L1011 aircraft three-rate model

Astrov, Igor; Rüstern, Ennu IFAC Conference on New Technologies for Computer Control : NTCC 2001 : 19-22 November 2001, Hong Kong : final program and abstracts 2001 / p. 516-521 : ill <https://www.sciencedirect.com/science/article/pii/S1474667017329920>

Genetic optimization in circuit simulation

Haikarainen, Sakari; Jokinen, Hannu; Valtonen, Martti BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 381-384: ill

Glassy GaS: transparent and unusually rigid thin films for visible to mid-IR memory applications

Tverjanovich, Andrey; Khomenko, Maksym; **Bereznev, Sergei;** Fontanari, Daniele; Sokolov, Anton; Usuki, Takeshi; Ohara, Koji; Le Coq, David; Masselin, Pascal; Bychkov, Eugene Physical chemistry chemical physics 2020 / p. 25560-25573

<https://doi.org/10.1039/D0CP04697C> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Guardbands in random testing

Kemnitz, Günter BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 85-88: ill

Hardware/software co-design : state-of-the-art and future directions

Glesner, Manfred; Hollstein, Thomas; Gasteier, Michael; Münch, Michael BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 9-16: ill

Harjutused tulevastele laevaohvitseridele kuival maal - laevasimulaatoritel
Niit, Jane Paat & Meremees 2015 / lk. 86-87

Hierarchical approaches to test generation and fault simulation
Ubar, Raimund-Johannes Radioelectronics and informatics 2003 / p. 204

Hierarchical calculation of malicious faults for evaluating the fault-tolerance
Ubar, Raimund-Johannes; Devadze, Sergei; Jenihhin, Maksim; Raik, Jaan; Jervan, Gert; Ellervee, Peeter Proceedings : Fourth IEEE International Symposium on Electronic Design, Test and Applications : [DELTA 2008] : 23-25 January 2008, Hong Kong, SAR, China 2008 / p. 222-227 : ill <https://ieeexplore.ieee.org/document/4459544>

Hierarchical defect-oriented fault simulation for digital circuits
Blyzniuk, M.; Cibakova, Tatiana; Gramatova, Elena; Kuzmicz, W.; Lobur, M.; Pleskacz, Witold A.; **Raik, Jaan; Ubar, Raimund-Johannes** IEEE European Test Workshop 2000 / p. 151-156 <https://ieeexplore.ieee.org/document/873781>

Hierarchical fault simulation in digital systems
Ubar, Raimund-Johannes; Raik, Jaan; Ivask, Eero; Brik, Marina International Symposium on Signals, Circuits and Systems : SCS 2001 : July 10-11, 2001, Iasi, Romania : proceedings 2001 / p. 181-184 : ill

High-efficiency predictive control of centrifugal multi-pump stations with variable-speed drives = Pumbajaamade muudetava kiirusega tsentrifugaalpumpajamite kõrgefektiivne ennetav juhtimine
Bakman, Ilja 2016 <https://digi.lib.ttu.ee/i/?5352> https://www.ester.ee/record=b4577031*est

High-level decision diagram simulation for diagnosis and soft-error analysis
Raik, Jaan; Repinski, Urmaz; 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 decision diagrams for improving simulation performance of digital systems
Ubar, Raimund-Johannes; Raik, Jaan; Morawiec, Adam SCI 2000 : World Multiconference on Systemics, Cybernetics and Informatics : July 23-26, 2000, Orlando, Florida, USA : proceedings. Volume IX, Industrial Systems 2000 / p. 62-67 : ill <https://hal.science/hal-01396447v1>

High-Level Implementation-Independent Functional Software-Based Self-Test for RISC Processors
Oyeniran, Adeboye Stephen; Ubar, Raimund-Johannes; Jenihhin, Maksim; Raik, Jaan Journal of electronic testing : theory and applications 2020 / p. 87-103 <https://doi.org/10.1007/s10836-020-05856-7>

High-level path activation technique to speed up sequential circuit test generation
Raik, Jaan; Ubar, Raimund-Johannes European Test Workshop 1999 : proceedings, May 25-28, 1999, Constance, Germany 1999 / p. 84-89 : ill <https://ieeexplore.ieee.org/document/804289>

High-speed logic level fault simulation
Ubar, Raimund-Johannes; Devadze, Sergei Design and test technology for dependable systems-on-chip 2011 / p. 310-335 : ill <https://www.igi-global.com/chapter/high-speed-logic-level-fault/51407>

Hot spots caused by contact inhomogeneities in 4H- and 6H-SiC Schottky structures
Kurel, Raido; Rang, Toomas Advanced Computational Methods in Heat Transfer VI 2000 / p. 437-444 <https://www.witpress.com/eliibrary/wit-transactions-on-engineering-sciences/27/4468>

How to improve full-scale self-propulsion simulations? A case study on a semi-displacement hull
Niazmand Bilandi, Rasul; Mancini, Simone; Dashtimanesh, Abbas; Lakatoš, Mikloš HSMV 2023 : Proceedings of the 13th Symposium on High Speed Marine Vehicles 2023 / p. 265-274 <https://doi.org/10.3233/PMST230034> [Conference proceedings at Scopus](#) [Article at Scopus](#)

1H line width dependence on MAS speed in solid state NMR - comparison of experiment and simulation
Sternberg, Ulrich; **Witter, Raiker**; Kuprov, Ilya; Lamley, Jonathan M.; **Oss, Andres**; Lewandowski, Jozef R.; **Samson, Ago** Journal of magnetic resonance 2018 / p. 32-39 : ill <https://doi.org/10.1016/j.jmr.2018.04.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal criteria for design and simulation of buildings
Kalamees, Targo 2006 https://www.ester.ee/record=b2226959*est

Identifying cyber attack vulnerabilities in the main lubricating oil system of marine propulsion units
Gülmez, Yigit; Konur, Olgun; Erbas, Muhammed; Bauk, Sanja International Journal of Critical Infrastructure Protection 2025 / art.

Impact of coastal currents and eddies on particle dispersion in the Baltic Sea: a Lagrangian approach to marine ecosystems

Hariri, Saeed; Väli, Germa; Meier, H. E. Markus *Frontiers in marine science* 2025 / 12 p <https://doi.org/10.3389/fmars.2025.1545035>
<https://www.frontiersin.org/journals/marine-science/articles/10.3389/fmars.2025.1545035/full>

Impact of phonon drag effect on Seebeck coefficient in p-6H-SiC : experiment and simulation

Bikbajevs, V.; Grivickas, Vytautas; Stölzer, M.; Velme, Enn; Udal, Andres; Grivickas, Paulius; Syväjärvi, Mikael; Yakimova, Rositza *Materials science forum* 2003 / p. 407-410 <https://www.scientific.net/MSF.433-436.407>
<https://doi.org/10.4028/www.scientific.net/MSF.433-436.407>

Impact of phonon-drag effect on Seebeck coefficient in SiC : experiment and simulation

Bikbajevs, V.; Grivickas, V.; Stölzer, M.; Velme, Enn; Udal, Andres; Grivickas, Paulius; Syväjärvi, Mikael; Yakimova, Rositza *Abstracts of the Lithuanian National Physics Conference : LNPK-34 : Vilnius, 2003* 2003 / p. 219 <http://www.diva-portal.org/smash/record.jsf?pid=diva2%3A269444&dsid=8596>

Implementation and real-time simulation of a fractional-order controller using a MATLAB based prototyping platform

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri *BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012* / p. 145-148 : ill

Implementing large-scale simulation platform in CoCoViLa

Grigorenko, Pavel; Ojamaa, Andres *Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007* / lk. 84-87 : ill

Improved load planning of ro-ro vessels by adopting blockchain and internet-of-things

Henesey, Lawrence; Lizneva, Yulia; Philipp, Robert; Meyer, Christopher; Gerlitz, Laima *Proceedings of the 22nd International Conference on Harbor, Maritime and Multimodal Logistic Modeling & Simulation (HMS 2020) : Online, September 16-18, 2020* 2020 / p. 58-65 <https://doi.org/10.46354/i3m.2020.hms.009>

Improving the efficiency of timing simulation in digital circuits by using structurally synthesized BDDs

Ubar, Raimund-Johannes; Jutman, Artur; Peng, Z. *IEEE Norchip Conference 2000* / p. 254-261

Increasing the speed of delay simulation in digital circuits

Ubar, Raimund-Johannes; Jutman, Artur *The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000* / p. 31-34 : ill

Indicators to compare simulated crisis management strategies

Engelbach, W.; Frings, S.; Meriste, Merik *IDRC Davos 2014 "Integrative Risk Management - The Role of Science, Technology and Practice" : extended abstracts, oral presentations, special panels, sessions and workshops : 24-28 August 2014, Davos, Switzerland 2014* / p. 225-228 : ill

Industrial robot training in the simulation using the machine learning agent

Nutonen, Karle; Kuts, Vladimir; Otto, Tauno *Procedia computer science* 2023 / p. 446-455
<https://doi.org/10.1016/j.procs.2022.12.240> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Industrial robot training in the simulation using the machine learning agents

Nutonen, Karle *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. 13-14 : ill https://www.ester.ee/record=b5504019*est

Infiltration simulation in a detached house - empirical model validation : [abstract] [Electronic resource]

Jokisalo, Juha; Kalamees, Targo; Kurnitski, Jarek; Eskola, Lari; Jokiranta, Kai; Vinha, Juha *Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007* / p. 289 [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

Infiltration simulation in a detached house - empirical model validation [Electronic resource]

Jokisalo, Juha; Kalamees, Targo; Kurnitski, Jarek; Eskola, Lari; Jokiranta, Kai; Vinha, Juha *Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007* / [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

Inseneriarvutused ja simulatsioon masinaehituses - olukord ja arengud : avalik loeng 6.detsembril 2004 TTÜs

Eerme, Martin *Tallinna Tehnikaülikooli aastaraamat 2004* 2005 / lk. 340-344

Integrated design of museum's indoor climate in medieval Episcopal Castle of Haapsalu

Napp, Margus; Kalamees, Targo; Tark, Teet; Arumägi, Endrik *Energy procedia* 2016 / p. 592-600 : ill
<https://doi.org/10.1016/j.egypro.2016.09.105> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Inter O-DUs coordination for scheduling of massive users in O-RAN

Latif, Aamir; Alam, Muhammad Mahtab; Le Moullec, Yannick 2023 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) 2023 / p. 6 <https://doi.org/10.1109/EuCNC/6GSummit58263.2023.10188234>

Interannual and interseasonal variability of the persian gulf surface wave energy in the recent decade

Eshghi, Nasrin; Barzandeh, Amirhossein; Salimi, Fouad Marine systems and ocean technology 2024 <https://doi.org/10.1007/s40868-024-00139-8> [Journal metrics at Scopus](#) [Article at Scopus](#)

Interfaces to 6H-SiC substrates - technology and simulation

Rang, Toomas; Blum, Alfons Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 4, p. 250-259: ill

Internet based test generation and fault simulation

Ivask, Eero; Ubar, Raimund-Johannes; Raik, Jaan; Schneider, Andre IEEE Design and Diagnostics of Electronic Circuits and Systems - IEEE DDECS 2001 : Fourth International Workshop on IEEE Design and Diagnostics of Electronic Circuits and Systems : Győr, Hungary, April 18-20, 2001 2001 / p. 57-60 : ill

Internet-based collaborative test generation with MOSCITO [Electronic resource]

Schneider, Andre; Ivask, Eero; Miklos, P.; Raik, Jaan; Diener, Karl-Heinz; Ubar, Raimund-Johannes; Cibakova, Tatiana; Gramatova, Elena SIGDA publications on CD-ROM : DATE'02 : Design, Automation and Test in Europe, Paris, France, March 4-8, 2002 2002 / [6] p. [CD-ROM] https://www.cecs.uci.edu/~papers/date07/PAPERS/2002/DATE02/PDFFILES/02E_2.PDF

Investigation of charge carrier lifetime temperature-dependence in 4H-SiC diodes

Velme, Enn; Udai, Andres Silicon carbide and related materials 2006 2007 / p. 375-378 https://www.researchgate.net/publication/250348987_Investigation_of_Charge_Carrier_Lifetime_Temperature-Dependence_in_4H-SiC_Diodes

Investigation of silicon carbide diode structures via numerical simulations including anisotropic effects

Velme, Enn; Udai, Andres; Masszi, F.; Nordlander, E. Simulation of semiconductor devices and processes. Vol. 6 1995 / p. 340-343: ill https://link.springer.com/chapter/10.1007/978-3-7091-6619-2_83

An investigation of winter navigation and icebreaker needs in the ice-infested water: The gulf of Finland and the Gulf of Riga

Lu, Liangliang; Kondratenko, Aleksandr; Kulkarni, Ketki; Li, Fang; Kujala, Pentti Jouko Sakari; Musharraf, Mashrura Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2024 ; Vol. 6 2024 / OMAE2024-127955, V006T07A006 ; 8 pages <https://doi.org/10.1115/OMAE2024-127955> [Conference proceedings at Scopus](#) [Article at Scopus](#)

2004. aasta teaduspreemia tehnikateaduste alal töö "Faasisiirdefrondid martensiitsetes tahkestes" eest : [Arkadi Berezovski]le

Berezovski, Arkadi Teadusmõtte Kübermeetika Instituudis 2010 / lk. 110-119 : ill

Language of driving for autonomous vehicles

Kalda, Krister; Pizzagalli, Simone Luca; Soe, Ralf-Martin; Sell, Raivo; Bellone, Mauro Applied sciences 2022 / art. 5406 <https://doi.org/10.3390/app12115406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Layout planning and analysis of a Flexible Manufacturing System based on 3D Simulation and Virtual Reality

Mahmood, Kashif; Otto, Tauno; Chakraborty, A. Procedia CIRP 2023 / p. 201-206 <https://doi.org/10.1016/j.procir.2023.08.036> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Level system PSPICE simulation for AC to DC PWM converters under hysteresis control

Gatlan, Clarissa; Gatlan, Leonard BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 217-220: ill

Logic simulation and fault collapsing with shared structurally synthesized BDDs

Mironov, Dmitri; Ubar, Raimund-Johannes; Raik, Jaan 19th IEEE European Test Symposium (ETS) : May 26th-30th, 2014, Paderborn, Germany : proceedings 2014 / [2] p. : ill

Lower bounds of the size of shared structurally synthesized BDDs

Ubar, Raimund-Johannes; Mironov, Dmitri Proceedings of the 2014 IEEE 17th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 23-25, 2014, Warsaw, Poland 2014 / p. 77-82 : ill

Low-quality fingerprint recognition using three-rate hybrid Kohonen neural network [Electronic resource]

Astrov, Igor; Tatarly, Sergei; Tatarly, Svetlana; Rüstern, Ennu Proceedings of the 6th International Conference on Information, Communications and Signal Processing : ICICS 2007 : Singapore, December 10-13, 2007 2007 / [5] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4449586>

Machine learning clustering techniques for selective mitigation of critical design features

Lange, Thomas; **Balakrishnan, Aneesh**; Glorieux, Maximilien; Alexandrescu, Dan; Sterpone, Luca Proceedings : 2020 26th IEEE International Symposium on On-Line Testing and Robust System Design : IOLTS 2020, Napoli, Italy, July 13-16, 2020 : virtual edition 2020 / 7 p. : ill <https://doi.org/10.1109/IOLTS50870.2020.9159751>

Maremathics - mathematics theory, simulations and exercises for maritime students

Gudelj, Anita; Stanivuk, Tatjana; Kovacevic, Goran; Laušić, Marina; Vidan, Pero; Veilande, Ingrida; **Saksa, Anna; Tammela, Julia; Zaitseva-Pärnaste, Inga; Bolgov, Viktor** 2024 <https://urn.nsk.hr/urn:nbn:hr:164:916808>

Mathematical modeling and simulation of ozonation processes in a downstream static mixer with sieve plates

Munter, Rein Ozone : science & engineering 2004 / 2, p. 227-236 : ill

Mathematical modelling and simulation of ozonation processes in a downstream static mixer with sieve plates

Munter, Rein Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral and forum presentations. Vol. III 2001 / p. 250-263 : ill

Mathematical models, simulation and parameter estimation for water/wastewater treatment by ozone in semicontinuous, countercurrent and cocurrent columns

Kallas, Juha; Munter, Rein; Viiraja, Andres; Kõrvits, Madis 12th Ozone World Congress, May 15th to 18th, 1995, Lille, France : proceedings. Vol. 2 1995 / p. 229-240

A method for simplifying annual wind simulation for pedestrian comfort analysis in consideration of local climate

Kazak, Jelena; De Luca, Francesco Journal of Physics : Conference Series 2025

Methodology for the improvement of large district heating networks

Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of ECOS 2012 : the 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems : June 26-29, 2012, Perugia, Italy 2012 / p. 46-1 - 46-13 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks

Volkova, Anna; Mashatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University. Environmental and climate technologies 2012 / p. 39-45 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks

Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 39-45 <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methods for improving the performance of simulation

Mermet, J.; Morawiec, A.; **Ubar, Raimund-Johannes** Annual report 2000 / TIMA Laboratory 2001 / p. 90-94

Methods for improving the simulation performance

Mermet, J.; Morawiec, A.; **Ubar, Raimund-Johannes** Techniques of Informatics and Microelectronics for Computer Architecture 1999 / p. 91-94

Mixed-level defect simulation in data-paths of digital systems

Ubar, Raimund-Johannes; Raik, Jaan; Ivask, Eero; Brik, Marina 23rd International Conference on Microelectronics : MIEL 2002, Niš, Yugoslavia, 12-15 May 2002 : proceedings. Volume 2 2002 / p. 617-620 : ill <https://ieeexplore.ieee.org/document/1003333>

A model for the prediction of supersaturation level in batch cooling crystallization

Yang, Guangyu; Louhi-Kultanen, Marjatta; Sha, Zuoliang; Kubota, Noriaki; **Kallas, Juha** Journal of chemical engineering of Japan 2006 / p. 426-436 : ill <https://research.aalto.fi/en/publications/a-model-for-the-prediction-of-supersaturation-level-in-batch-cool>

Model reference adaptive control scheme for retuning method-based fractional-order PID control with disturbance rejection applied to closed-loop control of a magnetic levitation system

Tepljakov, Aleksei; Alagoz, Baris Baykant; Gonzalez, Emmanuel A.; **Petlenkov, Eduard**; Yeroglu, Celaledin Journal of circuits, systems, and computers 2018 / 1850176 <https://doi.org/10.1142/S0218126618501761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A model-based LQR control of an obstacle avoidance maneuver of a self-driving car

Astrov, Igor; Udal, Andres; Pikner, Heiko; Malayjerdi, Ehsan 2022 IEEE 20th Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMI) : Poprad, Slovakia, 2-5 March 2022 2022 / p. 473-478 : ill <https://doi.org/10.1109/SAMI54271.2022.9780755>

Model-based simulation of a hydraulic closed-loop rotary transmission with automatic control

Grossschmidt, Gunnar; Harf, Mait International journal of fluid power 2021 / 42 p. : ill <https://doi.org/10.13052/ijfp1439-9776.2212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 1: Modelling)

Harf, Mait; Grossschmidt, Gunnar ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 63-68
<https://www.eurosis.org/cms/files/proceedings/ESM/ESM2018contents.pdf>

Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 2: Simulation)

Harf, Mait; Grossschmidt, Gunnar ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 69-73
<https://www.eurosis.org/cms/files/ESM2018FINPROG.pdf>

Model-based simulation of hydraulic hoses in an intelligent environment

Grossschmidt, Gunnar; Harf, Mait International journal of fluid power 2018 / p. 27-41 : ill
<https://doi.org/10.1080/14399776.2017.1374140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Modeling and control simulation for a condensate distillation column

Vu, Trieu Minh; Pumwa, John Distillation - advances from modeling to applications 2012 / 32 p. : ill
<https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=3c9b8c3b1ff2d8995fe8c01ddc350cb9ad4a460d>

Modeling and simulation in rock engineering

Pastarus, Jüri-Rivaldo 60 aastat mäeinseneride õpetamist Eestis : aastapäevakonverentsi ettekannete teesid ja artiklid 1998 / lk. 23-26: ill https://www.ester.ee/record=b1057301*est

Modeling and simulation of an electro-hydraulic servo-system in an intelligent programming environment

Grossschmidt, Gunnar; Harf, Mait The 13th Mechatronics Forum International Conference : proceedings vol.3/3 : September 17-19, 2012, Johannes Kepler University Linz, Austria 2012 / p. 939-946
<https://asmedigitalcollection.asme.org/ESDA/proceedings/ESDA2012/44854/281/230755>

Modeling and simulation of an electro-hydraulic servovalve in an intelligent programming environment

Harf, Mait; Grossschmidt, Gunnar 2012 Proceedings of the ASME 11th Biennial Conference on Engineering Systems Design and Analysis (ESDA2012) 2012 / p. 1-9 <https://asmedigitalcollection.asme.org/ESDA/proceedings/ESDA2012/44854/281/230755>

Modeling and simulation of hydraulic systems in NUT programming environment

Grossschmidt, Gunnar; Harf, Mait Viertes Deutsch-Polnisches Seminar : Innovation und Fortschritt in der Fluidtechnik : 20.-21. September 2001 in Sopot 2001 / p. 329-348 : ill

Modeling and simulation of multirate control systems for vehicles : practical approach

Astrov, Igor 2012 <https://www.amazon.com/Modeling-Simulation-Multirate-Control-Vehicles/dp/3659281395>

Modeling of nutrient cycling in riparian ecosystems

Oja, Tõnu; Mander, Ülo GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December 1993 : abstract book, catalogue 1993 / p. 33

Modeling of the human lower-limb motion, design and control of knee joint orthosis

Musalimov, Victor; Monahov, Yury; **Tamre, Mart;** Rõbak, Dmitri; **Sivitski, Alina;** Aryassov, Gennady; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 <https://doi.org/10.15866/iremos.v10i5.11853> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modeling past human-induced vegetation change is a challenge – the case of Europe

Marquer, Laurent; Dallmeyer, A.; **Poska, Anneli;** Pongratz, J. Past global changes magazine 2018 / p. 12-13 : ill
<https://doi.org/10.22498/pages.26.1.12>

Modeling sequential circuits with shared structurally synthesized BDDs

Ubar, Raimund-Johannes; Marenkov, Mihail; Mironov, Dmitri; Viies, Vladimir Proceedings of 2014 9th International Design & Test Symposium (IDT) : Sheraton Club des Pins Hotel, Algiers, Algeria, December 16-18, 2014 2014 / p. 130-135 : ill

Modelling and simulation of a hydraulic load-sensing system in the CoCoViLa environment

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [1] 2008 / p. 83-88 : ill
https://www.researchgate.net/publication/265539017_Modelling_and_simulation_of_a_hydraulic_loadsensing_system_in_the_cocovila_environment

Modelling and simulation of fluid power systems in an intelligent programming environment

Grossschmidt, Gunnar; Harf, Mait 6th International Industrial Simulation Conference 2008 : ISC'2008 : June 9-11, 2008, Lyon, France : proceedings 2008 / p. 224-230

Modelling and simulation of fluid power systems in object-oriented programming environment

Grossschmidt, Gunnar; Harf, Mait; Sallaste, Taavi 8th Biennial ASME Conference on Engineering Systems Design and Analysis : ESDA 2006 : July 4-7, 2006, Torino, Italy : [proceedings] 2006 / paper ESDA2006-95387, [10] p
<https://asmedigitalcollection.asme.org/ESDA/proceedings-abstract/ESDA2006/42495/723/317919>

Modelling and simulation of steady-state conditions of a hydraulic load-sensing system

Grossschmidt, Gunnar; Harf, Mait; Djurovic, Milan International Scientific-technical Conference : Hydraulic and Pneumatics '2005 : Problems and Development Tendencies in the Beginning Decade of the 21st Century : Wroclaw, 17-19 maja 2005 2005 / p. 439-447 : ill

Modelling and simulation of two-rate state-space models for stochastic multivariable continuous-time control systems

Astrov, Igor; Rüstern, Ennu CSCS-12 : 12th International Conference on Control Systems and Computer Science : proceedings : May 26-29, 1999, Bucharest, Romania. Vol. 1 1999 / p. 103-108

Modelling of Seebeck coefficient influenced by carrier phonon drag and mixed scattering

Milatškov, Milko BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 57-60 : ill

Modelling of the human knee joint supported by active orthosis

Musalimov, Victor; Monahov, Juri; **Tamre, Mart; Rõbak, Dmitri; Sivitski, Alina; Arjassov, Gennadi; Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 107-120 : ill <https://doi.org/10.1515/ijame-2018-0007> [Journal metrics at Scopus](#)
[Article at Scopus](#)

Modern simulation modeling methods

Maljanen, Jukka Automation, simulation & measurement : ASM'91 : 3rd biennial conference, Tallinn, October 7-11, 1991. Section S / Tallinn Technical University 1992 / p. 152-158

Module level defect simulation in digital circuits

Kuzmicz, Wieslaw; Pleskacz, Witold A.; **Raik, Jaan; Ubar, Raimund-Johannes** Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 4, p. 253-268

Moisture convection performance of external walls and roofs

Kalamees, Targo; Kurnitski, Jarek Journal of building physics 2010 / 3, p. 225-247
<https://journals.sagepub.com/doi/10.1177/1744259109343502>

Motion control of X4-flyer for enhanced situational awareness

Astrov, Igor; Pedai, Andrus Latest trends on systems : 14th WSEAS International Conference on Systems : Greece, July 22-24. Vol. 1 2010 / p. 123-128 : ill https://www.researchgate.net/publication/228503868_Motion_control_of_X4-flyer_for_enhanced_situational_awareness

Motor drive design in database environment

Laugis, Juhan; Vodovozov, Valery The 4th International Scientific Conference of The Military Technical College [Korby El-Kobbah, Cairo, Egypt] : 27-29 May 2008. Proceedings of the 6th ICEENG Conference : 27-29 May, 2008 2008 / p. EE018 [CD-ROM]
https://iceeng.journals.ekb.eg/article_34296_b9df1acbd4c7630c96585eec987ce18f.pdf

A multi-armed bandit solver method for adaptive power allocation in device-to-device communication

Khan, Muhidul Islam; Alam, Muhammad Mahtab; Le Moullec, Yannick Procedia computer science 2018 / p. 1069-1076
<https://doi.org/10.1016/j.procs.2018.04.155> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Multi-level and mixed-level simulation of CMOS switched-current sigma-delta modulator

Zhu, Ping; Tenhunen, Hannu BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 209-212 : ill

The multilevel generalization of waveform relaxation method

Dmitriyev-Zdorov, V.B. Automation, simulation & measurement. Section A, Automation. Section M, Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 47-53 : ill https://www.ester.ee/record=b1064034*est

Multi-pole modeling and simulation of a four-way valve controlled fluid power system in NUT environment

Grossschmidt, Gunnar; Harf, Mait Modelling and Simulation 2002 : 16th European Simulation Multiconference 2002 : ESM'2002, June 3-5, 2002, Darmstadt, Germany 2002 / p. 677-681 : ill <https://dl.acm.org/doi/abs/10.5555/647918.740360>

Multi-pole modeling and simulation of dynamics of an electro-hydraulic servo-system

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 27-30 : ill

Multi-pole modeling of an electro-hydraulic servo-valve

Grossschmidt, Gunnar Simulation in Industry'2001 : 13th European Simulation Symposium 2001 : ESS'2001 : October 18-20, 2001, Marseille, France 2001 / p. 234-239 : ill <https://www.tandfonline.com/doi/abs/10.1080/14399776.2015.1110093>

Multi-pole modelling and intelligent simulation environment for fluid power systems

Harf, Mait; Grossschmidt, Gunnar ESM '2013 : The 2013 European Simulation and Modelling Conference, Modelling and Simulation : October 23-25, 2013, Lancaster University, Lancaster, UK : [proceedings] 2013 / p. 247-254
https://www.researchgate.net/publication/278093510_Multi-pole_modelling_and_intelligent_simulation_environment_for_fluid_power_systems

Multi-pole modelling and intelligent simulation of a fluid power feeding system with a pneumo-hydraulic accumulator

Harf, Mait; Grossschmidt, Gunnar 16th International Conference on Modeling and Applied Simulation (MAS 2017) : held at the International Multidisciplinary Modeling and Simulation Multiconference (I3M 2017), Barcelona, Spain, 18 – 20 September 2017 2017 / p. 128-135 <http://www.scopus.com/inward/record.uri?eid=2-s2.0-85035125034&partnerID=40&md5=1383db926eab8e4c7540e2c6d237033c>

Multi-pole modelling and simulation of a hydraulic mechanical load-sensing system using the CoCoViLa programming environment

Grossschmidt, Gunnar; Harf, Mait Proceedings of 6th International Fluid Power Conference "Fluid Power in Motion" : April 1st and 2nd 2008 in Dresden. Volume 2 2008 / p. 553-568

Multi-pole modelling and simulation of an electro-hydraulic servo-system with a non-linear regulator in NUT environment

Grossschmidt, Gunnar; Harf, Mait Fünftes Deutsch-Polnisches Seminar Innovation und Fortschritt in der Fluidtechnik : Warszawa, 18.-19. September 2003 : Vorträge 2003 / p. 146-161 : ill

Multi-pole modelling and simulation of hydraulic chain elements

Grossschmidt, Gunnar; Vanaveski, Jüri; Harf, Mait Прогрессивные технологии и системы машиностроения : международный сборник научных трудов 2000 / p. 210-216 : ill

Multi-pole modelling and simulation of hydraulic chain systems

Grossschmidt, Gunnar; Vanaveski, Jüri; Harf, Mait Машиностроение и техносфера на рубеже XXI века : сборник трудов VII международной научно-технической конференции : 11-17 сентября 2000 г. в городе Севастополе 2000 / p. 216-222 : ill

Multirate depth control of an AUV by neural network model reference controller for enhanced situational awareness

Astrov, Igor; Gordon, Boris Recent researches in applied information science : proceedings of the 5th WSEAS World Congress on Applied Computing Conference (ACC '12) : proceedings of the 1st International Conference on Biologically Inspired Computation (BIC '12) : University of Algarve, Faro, Portugal, May 2-4, 2012 2012 / p. 32-37 : ill <http://www.wseas.us/e-library/conferences/2012/Algarve/BICA/BICA-04.pdf>

Multirate depth control of an AUV by neural network model reference controller for enhanced situational awareness [Electronic resource]

Astrov, Igor; Gordon, Boris Proceedings of the International Conferences : Recent Researches in Applied Information Science : [Faro, Portugal, May 2-4, 2012] 2012 / p. 32-37 : ill [CD-ROM] <http://www.wseas.us/e-library/conferences/2012/Algarve/BICA/BICA-04.pdf>

Multirate depth control of an AUV by neural network predictive controller for enhanced situational awareness [Electronic resource]

Astrov, Igor; Pedai, Andrus 5th International Symposium on Computational Intelligence and Intelligent Informatics (ISCII 2011) : Floriana, Malta, September 15-17, 2011 : proceedings 2011 / p. 47-52 [CD-ROM] <https://ieeexplore.ieee.org/document/6069740>

Multirate depth control of an AUV by neurocontroller for enhanced situational awareness

Astrov, Igor; Pedai, Andrus Advances in Computational Intelligence, Man-Machine Systems and Cybernetics 2010 / p. 21-26 : ill
https://www.researchgate.net/publication/228917649_Multirate_depth_control_of_an_AUV_by_neurocontroller_for_enhanced_situational_awareness

Multiskilling in construction - a strategy for stable employment

Lill, Irene Technological and economic development of economy 2009 / 4, p. 540-560 : ill
https://www.researchgate.net/publication/242585900_Multiskilling_in_construction_-_a_strategy_for_stable_employment

Multi-valued simulation of digital circuits

Ubar, Raimund-Johannes Proceedings : 1997 21st International Conference on Microelectronics : Niš, Yugoslavia, 14-17 September 1997. Vol. 2 1997 / p. 721-724 : ill

Multi-valued simulation of digital circuits with structurally synthesized binary decision diagrams

Ubar, Raimund-Johannes Multiple valued logic. Vol. 4 1998 / p. 141-157

Multivalued simulation on AG-model of digital devices

Ubar, Raimund-Johannes; Voolaine, Andrus Proceedings of the 12th Conference on Fault-Tolerant Systems and Diagnostics, Prague, Czechoslovakia, September, 1989 1989 / p. 101-104

Multi-valued simulation with binary decision diagrams

Ubar, Raimund-Johannes; Raik, Jaan Proceedings IEEE European Test Workshop, Cagliari, Italy, May 28-30, 1997 1997 / p. 28-29

Noisy voice pattern recognition by three-rate hybrid neural network

Astrov, Igor; Tatarly, S.; Tatarly, S. Advances in electrical and computer engineering 2006 / 2, p. 35-38

<https://aece.ro/abstractplus.php?year=2006&number=2&article=7>

Nonlinear deformation and run-up of elongated solitary waves: numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-10473

<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-10473.pdf>

Novel gramian-based structure-preserving model order reduction for power systems with high penetration of power converters

de Moraes Dias Campos, Nathalia; Sarnet, Tanel; Kilter, Jako IEEE transactions on power systems 2023 / p. 5381-5391

<https://doi.org/10.1109/TPWRS.2022.3228458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

nZEB energy performance comparison in different climates and countries

Kurnitski, Jarek Heat pumping technologies magazine 2017 / p. 31-37 : ill

https://issuu.com/hptmagazine/docs/hpt_20magazine_no3_2017?e=24860023/55068660

Numerical and experimental investigation on the collision resistance of the X-core structure

Ehlers, Sören; Tabri, Kristjan; Romanoff, Jani; Varsta, Petri Ships and offshore structures 2012 / p. 21-29 : ill

<https://www.tandfonline.com/doi/full/10.1080/17445302.2010.532603>

Numerical and experimental motion simulations of nonsymmetric ship collisions

Tabri, Kristjan; Varsta, Petri; Matusiak, Jerzy Journal of marine science and technology 2010 / p. 87-101 : ill

<https://link.springer.com/article/10.1007/s00773-009-0073-2>

Numerical experiments on matter transport in the Baltic Sea = Aine transpordi numbrilised eksperimendid Läänemeres

Väli, Germa 2011 https://www.ester.ee/record=b2700064*est

Numerical investigation of hydroelastic response of a three-dimensional deformable hydrofoil

Hosseinzadeh, Saeed; Tabri, Kristjan HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 /

p. 77-86 <https://doi.org/10.3233/PMST200029> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A numerical sensitivity analysis of fluid-structure interaction simulations on slamming loads and responses

Hosseinzadeh, Saeed; Topa, Ameen; **Tabri, Kristjan** IOP conference series : materials science and engineering 2023 / art.

012017, 9 p. : ill <https://doi.org/10.1088/1757-899X/1288/1/012017>

Numerical simulation of 3D flowfield in mixer-ejector nozzle and its using for evaluation of nozzle acoustic characteristics

Bosniakov, S.; Jitenev, V.; Matyash, S.; Mikhailov, S.; Nukhtikov, M.; Vlasenko, V.; Yatskevich, N. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 371-374: ill

Numerical simulation of a forward-based p-i-n structure with band-to-band Auger recombination

Freidin, Boris; Velmre, Enn Electronics letters : an international publication 1978 / p. 701-703

https://www.ester.ee/record=b2180432*est

Numerical simulation of electrothermal effects in ESD protection devices

Hellström, Sven; Freidin, Boris; Velmre, Enn; Udal, Andres ESREF'92: 3rd European Symposium on Reliability of Electron

Devices, Failure Physics and Analysis : 5-8 October 1992, Schwäbisch Gmünd, Germany : conference proceedings 1992 / p. 77-80
<https://d-nb.info/921228503/04>

Numerical simulation of electrothermal interactions in semiconductor devices experiencing ESD pulses

Freidin, Boris; Velmre, Enn; Udal, Andres Techn. Dig. of International Workshop on Computational Electronics, 1992 May 28-29,

Beckman Institute, Univ. of Illinois Urbana-Champaign, USA 1992 / p. 75-78 : ill

https://in4.iue.tuwien.ac.at/pdfs/iwce/iwce1_1992/pdfs/pp075-078.pdf

Numerical simulation of grid-generated turbulent particulate flow by three-dimensional Reynolds stress

Kartušinski, Aleksander; Rudi, Ülo; Stock, David; **Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Šablinski, Aleksandr**

Proceedings of the Estonian Academy of Sciences 2013 / p. 161-174 : ill <https://doi.org/10.3176/proc.2013.3.02> [Journal metrics at](#)

[Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of interaction of solitary deformation waves in microstructured solids

Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri International journal of non-linear mechanics 2008 / 3, p. 201-208 : ill
<https://www.sciencedirect.com/science/article/pii/S0020746207002338>

Numerical simulation of mechanical waves in biomembranes

Tamm, Kert; Peets, Tanel 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 179-182 : ill

Numerical simulation of the propagation of ship-induced Riemann waves of depression into the Venice Lagoon

Rodin, Artem; Soomere, Tarmo; Parnell, Kevin Ellis; Zaggia, Luca Proceedings of the Estonian Academy of Sciences 2015 / p. 22-35 : ill https://artiklid.elnet.ee/record=b2717480*est <https://doi.org/10.3176/proc.2015.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of two-dimensional wave propagation in functionally graded materials

Berezovski, Arkadi; Engelbrecht, Jüri; Maugin, Gerard A. European journal of mechanics - A/Solids 2003 / p. 257-265 : ill
<https://www.sciencedirect.com/science/article/pii/S0997753803000299>

Numerical simulation of uprising gas-solid particles turbulent flow in circulating fluidized bed

Šablinski, Aleksandr; Kartušinski, Aleksander; Krupenski, Igor; Siirde, Andres; Rudi, Ülo 21st International Conference on Fluidized Bed Combustion : Naples (Italy), June 3-6, 2012 : proceedings. Vol. 2 2012 / p. 946-953 : ill

Numerical simulation of upward particulate pipe flows at constant Re

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor; Šablinski, Aleksandr Proceedings of the 8th International Conference on Multiphase Flow (ICMF 2013) : Jeju, Korea, May 26-31, 2013 2013 / p. 1-7 : ill

Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes

Koel, Ants; Rang, Toomas; Voitovitš, Viktor; Toompuu, Jana BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 39-42 : ill

Observation, parameterization and simulation of turbulent mixing in the Gulf of Finland, the Baltic Sea

Lilover, Madis-Jaak; Stips, Adolf Konrad US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 85

On Acoustic Properties of Duct Termination Exhausting Hot Flow by Utilizing FEMSimulation

Rämmal, Hans; Lavrentjev, Jüri Evolutions in mechanical engineering 2021 / art. EME.000565
<https://crimsonpublishers.com/eme/fulltext/EME.000565.php>

On correction of the results of a ternary simulation and a preliminary estimation of the correction results

Matrosova, Anjela; Golubeva, O.; Oshlakova, T. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 183-186: ill

On coverage of critical nodes in UAV-assisted emergency networks

Waheed, Maham; Ahmad, Rizwan; Ahmed, Waqas; Alam, Muhammad Mahtab; Magarini, Maurizio Sensors 2023 / art. 1586
<https://doi.org/10.3390/s23031586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On dynamic models for wind farms as systems of systems

Rannat, Kalev; Meriste, Merik; Mõtus, Leo; Preden, Jürjo-Sören 2012 7th International Conference on System of Systems Engineering : July 16-19, 2012, Genova, Italy : proceedings 2012 / p. 113-118 : ill <https://ieeexplore.ieee.org/document/6384160>

On efficient logic-level simulation of digital circuits represented by the SSBDD model

Jutman, Artur; Raik, Jaan; Ubar, Raimund-Johannes 23rd International Conference on Microelectronics : MIEL 2002, Niš, Yugoslavia, 12-15 May 2002 : proceedings. Volume 2 2002 / p. 621-624 : ill <https://ieeexplore.ieee.org/document/1003334>

On the charge carrier time-of-flight mobility and the ordering effects in the microcrystalline PEDOT/PSS complex : a morphology-based simulation study

Kaevand, Toomas; Kalda, Jaan; Lille, Ülo International journal of renewable energy and biofuels 2013 / p. 1-13 : ill

OpenFOAM simulation of fiber concrete flow

Herrmann, Heiko 82nd International Scientific Conference of the University of Latvia : Use of High Performance Computing in Numerical Simulations : Book of Abstracts 2024 / p. 10 <https://doi.org/10.22364/luszk.82.hpc.ab>

Operatsioonianalüüsist ja tema osast hariduses

Vaarmann, Otu Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 76-83

Optimal decomposition of large-scale systems

Riismaa, Tiit; Vaarmann, Otu The International Workshop on Harbour, Maritime and Multimodal Logistics, Modelling & Simulation :

Optimization of structurally synthesized BDDs

Ubar, Raimund-Johannes; Vassiljeva, T.; **Raik, Jaan; Jutman, Artur;** Tombak, Mati; Peder, Ahti Proceedings of the Fourth IASTED International Conference on Modelling, Simulation, and Optimization : August 17-19, 2004, Kawai, Hawaii, USA 2004 / p. 234-240 : ill https://www.academia.edu/22101496/Optimization_of_structurally_synthesized_BDDs

Overcoming convergence problems in simulation

Aaltonen, Sakari BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 273-276: ill

Overview of e-learning environment for web-based study of testing and diagnostics of digital systems

Jutman, Artur; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Microelectronics education : proceedings of the 5th European Workshop on Microelectronics Education, held in Lausanne, Switzerland, April 15-16, 2004 2004 / p. 253-258 : ill https://link.springer.com/chapter/10.1007/978-1-4020-2651-5_41

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

P and Q control strategy for single phase ZqZ source inverter based on d-q frame

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2048-2053 : ill

Pacing algorithm test environment for simulating critical bleeding situations

Kink, Andres The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [3] p. : ill

Parallel exact critical path tracing fault simulation with reduced memory requirements

Devadze, Sergei; Ubar, Raimund-Johannes; Raik, Jaan; Jutman, Artur 4th International Conference on Design and Technology of Integrated Systems in Nanoscale Era : DTIS'09 : Cairo, Egypt, April 6-9, 2009 2009 / p. 155-160 : ill <https://ieeexplore.ieee.org/document/4938046>

Parallel fault analysis on structurally synthesized BDDs

Devadze, Sergei; Ubar, Raimund-Johannes Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 47-50 : ill

Parallel fault backtracing for calculation of fault coverage

Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan; Jutman, Artur 43rd International Conference on Microelectronics, Devices and Materials and the Workshop on Electronic Testing : September 12. - September 14.2007, Bled, Slovenia : MIDEM conference 2007 proceedings 2007 / p. 165-170 : ill https://www.researchgate.net/publication/221153650_Parallel_fault_backtracing_for_calculation_of_fault_coverage

Parallel fault simulation in digital circuits

Aarna, Margit; **Raik, Jaan; Ubar, Raimund-Johannes** Proc. of 42nd International Scientific Conference of Riga Technical University 2001 / p. 91-94

Parallel fault simulation in digital circuits

Aarna, Margit; **Raik, Jaan; Ubar, Raimund-Johannes** Scientific proceedings of Riga Technical University. 7. serija, Telecommunications and electronics 2001 / p. 91-94 : ill

Parallel X-fault simulation with critical path tracing technique [Electronic resource]

Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan; Jutman, Artur DATE 10 : Design, Automation & Test in Europe : Dresden, Germany, 8-12 March, 2010 2010 / p. 879-884 [CD-ROM] https://www.researchgate.net/publication/221341788_Parallel_X-fault_simulation_with_critical_path_tracing_technique

Parametric simulation of SiC Schottky JBC structures

Rang, Toomas; Kurel, Raido Computer methods and experimental measurements for surface effects and contact mechanics VIII 2007 / p. 315-334 <https://www.witpress.com/Secure/elibrary/papers/SECM07/SECM07030FU1.pdf>

Particles deposition at horizontal flat plate in turbulent particulate flow

Kartušinski, Aleksander; Hussainov, Medhat; Michaelides, Efsthios; **Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor** The Canadian journal of chemical engineering 2014 / p. 1-12 : ill <https://doi.org/10.1002/cjce.21923> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Peculiarities of multilevel power electronic converters for interfacing battery energy storages with AC loads

Bubovich, Alexander; Vorobyov, Maxim; **Blinov, Andrei**; Peftitsis, Dimosthenis IEEE 8th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) 2021 / p. 1-4 <https://doi.org/10.1109/AIEEE51419.2021.9435798>

Performance evaluation of 5G-NR positioning accuracy using time difference of arrival method

Mürsepp, Ivo; Kulmar, Marika; Elgarhy, Osama Mohamed Mostafa; Alam, Muhammad Mahtab; Chen, Tao; Horsmanheimo, Seppo; Scholliers, Johan 2021 IEEE International Mediterranean Conference on Communications and Networking (MeditCom) : Athens, Greece, 7-10 Sept. 2021 2021 / p. 494-499 : ill <https://doi.org/10.1109/MeditCom49071.2021.9647652>

Performance prediction of a Hard-Chine Planing Hull by employing different CFD models

Hosseini, Azim; Tavakoli, Sasan; **Dashtimanesh, Abbas**; Sahoo, Prasanta K.; **Körgeaar, Mihkel** Journal of marine science and engineering 2021 / art. 481, 26 p. : ill <https://doi.org/10.3390/jmse9050481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance testing of frost damage model by hygrothermal simulation

Ilomets, Simo; Kalamees, Targo; Raado, Lembi-Merike Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 73-80 : ill

Phase-sensitive amplifier link with distributed Raman amplification

Eliasson, Henrik; Vijayan, Kovendhan; Foo, Benjamin; Olsson, Samuel L. I.; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Optics express 2018 / p. 19854-19863 <https://doi.org/10.1364/OE.26.019854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pikaajaline termohaliinsete väljade simulatsioon Soome lahes

Maljutenko, Ilja TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 9-10

The potential of using social service robots in the healthcare environment

Leoste, Janika; Marmor, Kristel; Kangur, Katrin; Budagov, Fuad; Rossi, Matti 10th International Conference on Higher Education Advances (HEAd'24) 2024 / p. 522-529 <https://doi.org/10.4995/HEAd24.2024.17047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Practical E-field sensors for EMP testing

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

Precision of simulation models of human lower limb motion

Röbak, Dmitri; Musalimov, Victor; **Arjassov, Gennadi; Penkov, Igor** The 16th International Conference "Mechatronic Systems and Materials" : MSM 2021 July 1, 2021 - July 2, 2021 : abstract book 2021 / p. 9-11 <https://vb.vgtu.lt/object/elaba:100810507/100810507.pdf>

Preface

Shkarlet, Serhiy; Palagin, Alexander; Morozov, Anatoliy; **Vinnikov, Dmitri**; Stoianov, Nikolai; Zhelezniak, Mark; Kazymyr, Volodymyr Mathematical Modeling and Simulation of Systems : Selected Papers of 17th International Conference, MODS, November 14-16, 2022, Chernihiv, Ukraine 2023 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-30251-0> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface

Shkarlet, Serhiy; Morozov, Anatoliy; Palagin, Alexander; **Vinnikov, Dmitri**; Stoianov, Nikolai; Zhelezniak, Mark; Kazymyr, Volodymyr Mathematical Modeling and Simulation of Systems : Selected Papers of 16th International Scientific-practical Conference, MODS, 2021 June 28-July 01, Chernihiv, Ukraine 2022 / p. ix-x <https://doi.org/10.1051/mmnp/2018041> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface

Kazymyr, Volodymyr; Morozov, Anatoliy; Palagin, Alexander; Shkarlet, Serhiy; Stoianov, Nikolai; **Vinnikov, Dmitri**; Zhelezniak, Mark Mathematical Modeling and Simulation of Systems : Selected Papers of 18th International Conference, MODS, November 13-15, 2023, Chernihiv, Ukraine 2024 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-67348-1> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Preparation of SFRC testing specimen simulated by CFD

Goidyk, Oksana; Heinštein, Mark; Herrmann, Heiko Proceedings of Cement Based Composites Congress 2022 / p. 56-63

Principles of modelling and simulation of technical chain systems

Grossschmidt, Gunnar Simulation in Industry : 9th European Simulation Symposium 1997 : ESS'97 : October 19-22, 1997, Passau, Germany 1997 / p. 705-712: ill

Program package for simulation of technical chain systems

Grossschmidt, Gunnar; Vanaveski, Jüri Машиностроение и техносфера на рубеже XXI века : сборник трудов VI

Propeller shrouding influence on lift force of mini unmanned quadcopter

Penkov, Igor; Aleksandrov, Dmitri International journal of automotive and mechanical engineering 2017 / p. 4486-4495 : ill
<https://doi.org/10.15282/ijame.14.3.2017.7.0354> [Journal metrics at Scopus](#) [Article at Scopus](#)

Pseudorandom sampling in a multi-frequency bioimpedance analyser

Märtens, Olev; Min, Mart BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 253-256 : ill

Purtse hybrid power plant connection studies and Grid Code compliance assessment

Kilter, Jako; Sarnet, Tanel 2023

Query learning-based scheme for pertinent resource lookup in Mobile P2P network

Yefemy, Taoufik; Hamad, Sofian; **Ben Yahia, Sadok** IEEE Access 2019 / art. 6287639, p. 49059-49068
<https://doi.org/10.1109/ACCESS.2019.2910117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RANS numerical simulation of turbulent particulate pipe flow for fixed Reynolds number

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor Computational and numerical simulations 2014 / p. 21-40 : ill

Reducing sparking in the transient layer of the sliding electrical contact unit

Kozyreva, Oksana; Plokhov, Igor; Kotkov, Nikita; Savrajev, Igor; Ilyn, Alexander; **Vaimann, Toomas; Rassõlkin, Anton; Gevorkov, Levon; Kallaste, Ants** 18th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 223-227 : ill <https://doi.org/10.1109/EPE.2018.8395969>

A reference decision model of first responders' decision-making

Rosquist, Tony; Havlik, Denis; **Meriste, Merik** International journal of emergency management 2017 / p. 193-209
<https://doi.org/10.1504/IJEM.2017.085003> [Journal metrics at Scopus](#) [Article at Scopus](#)

Register-transfer level deductive fault simulation using decision diagrams

Reinsalu, Uljana; Raik, Jaan; Ubar, Raimund-Johannes 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. 193-196 : ill

Regulation of the linear accelerator ELBE exploiting continuous wave mode of a superconducting RF cavity

Maalberg, Andrei; Kuntzsch, Michael; Petlenkov, Eduard 2022 American Control Conference (ACC) : Atlanta, GA, USA, 8-10 June 2022 : proceedings 2022 / p. 5346-5353 : ill <https://doi.org/10.23919/ACC53348.2022.9867172> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Research on upper-body exoskeletons for performance augmentation of production workers

Abdelmomen, Mohamed; Dengiz, Ozan Fuat; Hoda, Samir; **Tamre, Mart** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0904-0913 : ill
<https://doi.org/10.2507/30th.daaam.proceedings.126>

Review of electric vehicle testing procedures for digital twin development : a comprehensive analysis

Rjabtšikov, Viktor; Rassõlkin, Anton; Kudelina, Karolina; Kallaste, Ants; Vaimann, Toomas Energies 2023 / art. 6952
<https://doi.org/10.3390/en16196952> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reynolds stress turbulence model for particulate grid-generated turbulence

Kartušinski, Aleksander; Rudi, Ülo; Stock, David; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor Proceedings of the 8th International Conference on Multiphase Flow (ICMF 2013) : Jeju, Korea, May 26-31, 2013 2013 / p. 1-9 : ill

Riist- ja tarkvara koosdisain ja -simuleerimine

Tammemäe, Kalle Arvutustehnika ja Andmetöötlus 1997 / 2, lk. 1-3; 3, lk. 1-6; 4, lk. 1-4; 5, lk. 1-6: ill

River runoff forcing for ocean modeling within the Baltic Sea Model intercomparison project

Väli, Germa; Meier, H.E. Markus; Placke, Manja; Dieterich, Christian 2019 <http://doi.io-warnemuende.de/10.12754/msr-2019-0113>
<http://doi.io-warnemuende.de/doi/2019/msr-2019-0113/msr-2019-0113.pdf>

Rotational effects on exchange flows across a submerged sill

Cuthbertson, Alan; Brentsen, J.; **Laanearu, Janek**; Asplin, Magdeli Environmental fluid mechanics 2021 / p. 405-432 : ill
<https://doi.org/10.1007/s10652-021-09779-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rounding bias in forecast uncertainty

Levenko, Natalia Research in economics 2020 / p. 277-291 : ill <https://doi.org/10.1016/j.rie.2020.08.001> [Journal metrics at Scopus](#)

RSTM numerical simulation of channel particulate flow with rough wall

Kartušinski, Aleksander; Rudi, Ülo; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor; Stock, David
Computational and numerical simulations 2014 / p. 41-63 : ill

Scenario-based Validation for Autonomous Vehicles with Different Fidelity Levels

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

Scenario-based validation of safety and performance of an autonomous vehicle by a software in loop simulation method = Autonomse sõiduki ohutuse ja jõudluse stsenaariumipõhine valideerimine tsüklisimulatsiooni meetodi abil

Malayjerdi, Mohsen 2023 <https://doi.org/10.23658/taltech.43/2023> <https://digikogu.taltech.ee/et/Item/5d3435ba-8ce1-4da6-8d16-4b279e88c861> https://www.ester.ee/record=b5574240*est

Scrutiny of MT-SOFC stack manifolding design using CFD

Lawlor, V.; Hochenauer, C.; **Meissner, Dieter** The open fuel cells journal 2012 / [13] p. : ill
<https://benthamopen.com/contents/pdf/TOFCJ/TOFCJ-5-1.pdf>

Sea-effect snowfall case in the Baltic Sea region analysed by reanalysis, remote sensing data and convection-permitting mesoscale modelling

Rannat, Kalev; Keernik, Hannes; Olsson, Taru; Post, Piia; Perttula, Tuuli; Kivi, Rigel; Voormansik, Tanel Geophysica 2018 / p. 65–91 : ill http://www.geophysica.fi/pdf/geophysica_2018_53_olsson.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Self-driving car ISEAUTO for research and education

Sell, Raivo; Leier, Mairo; Rassõlkin, Anton; Ernits, Juhan-Peep Proceedings of the 2018 19th International Conference on Research and Education in Mechatronics : (REM 2018), Delft, The Netherlands, June 7-8, 2018 2018 / p. 111-116 : ill
<https://doi.org/10.1109/REM.2018.8421793>

Ship-induced solitary Riemann waves of depression in Venice Lagoon

Parnell, Kevin Ellis; Soomere, Tarmo; Zaggia, Luca; **Rodin, Artem;** Lorenzetti, Giuliano; Rapaglia, John; Scarpa, Gian Marco Physics letters A 2015 / p. 555-559 : ill <https://doi.org/10.1016/j.physleta.2014.12.004> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

SiC-diodes forward surge current failure mechanisms : experiment and simulation

Udal, Andres; Velmre, Enn Microelectronics reliability 1997 / p. 1671-1674 [https://doi.org/10.1016/S0026-2714\(97\)00136-4](https://doi.org/10.1016/S0026-2714(97)00136-4)

SiC-diodes forward surge current failure mechanisms : experiment and simulation

Velmre, Enn; Udal, Andres ESREF'97 : proceedings of the 8th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis, Oct. 7-10, 1997, Bordeaux, France 1997 / p. 1671-1674
<https://www.sciencedirect.com/science/article/abs/pii/S0026271497001364>

Simulaatorikeskuses otsekui sügisvetel

Kungla, Elisabeth Postimees 2017 / lk. 7

Simulating long-term changes of wave conditions in the northern Baltic Sea

Räämet, Andrus BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 149

Simulation

Parmakson, Priit; Tepandi, Jaak Concise encyclopedia of software engineering 1993 / p. 303-306

Simulation and automated test development system for digital devices

Birger, Alexander BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 293-295

Simulation and experimental studies of particles velocity under LLPS

Ilyuschenko, A.; Ivashko, V.; Okovity, V.; Kundas, S.; Kuzmenkov, A.; Gurevitch, V. International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 119-122: ill

Simulation and parameter estimation of ozonation column models

Kallas, Juha; Munter, Rein; Viiraja, Andres; Kõrvits, Madis Acta chimica hungarica 1995 / 5, Models in chemistry, p. 807-829: ill

Simulation concept of a project management company

Sutt, Jüri; Lill, Irene The organization and management of construction : 10th International Symposium : Construction Innovation and Global Competitiveness. Vol. 1 2002 / p. 654-669 : ill

Simulation in construction economics

Sutt, Jüri Simulation Applications in the Baltic Area : proceedings of the Second CONSA Special Workshop : (October 10-11, 1999, Riga, Latvia) 2000 / p. 160-168 : ill

Simulation in learning power electronics

Laugis, Juhan; Lehtla, Tõnu; Vodovozov, Valery 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. 83-88

Simulation instruments to study power electronics of motor drives [Electronic resource]

Raud, Zoja; Vodovozov, Valery; Jalakas, Tanel; Laugis, Juhan 6th International Conference-Workshop Compatibility and Power Electronics : May 20-22, 2009 : CPE 2009 : conference proceedings 2009 / p. 306-310 [CD-ROM]

Simulation of advanced super-speed BiCMOS static memory cells based on the reverse base current effect of avalanche transistors

Bubennikov, Alexander; Zykov, A. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 63-66: ill

Simulation of an electro-hydraulic servo-valve in NUT programming environment

Grossschmidt, Gunnar; Harf, Mait Simulation in Industry'2001 : 13th European Simulation Symposium 2001 : ESS'2001 : October 18-20, 2001, Marseille, France 2001 / p. 229-233 : ill

Simulation of conflict in an agent world : access to resources and possibility of termination of the population

Tepandi, Jaak Informatica 2002 / 4, p. 501-512 <https://informatica.vu.lt/journal/INFORMATICA/article/391/info>

Simulation of deep energy traps to explain the VAC temperature dependence anomaly of diffusion welded Schottky contacts

Koel, Ants; Rang, Toomas; Rang, Galina ICSCRM2011 : Cleveland Ohio, USA, September 11-16, 2011 : abstracts 2011 / p. 340 : ill

Simulation of demand response on buildings and district heating production

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; Jokisalo, Juha; Kosonen, Risto; Janáček, Enc, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa E3S Web of Conferences : BuildSim Nordic 2022 2022 / art. 13002 <https://doi.org/10.1051/e3sconf/202236213002>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri**; Stepenko, Serhii Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

Simulation of hydraulic chains using multi-pole models in the NUT programming environment

Grossschmidt, Gunnar; Vanaveski, Jüri; Harf, Mait Simulation and Modelling : Enablers for a Better Quality of Life : 14th European Simulation Multiconference 2000 : ESM'2000 : May 23-26, 2000, Ghent, Belgium 2000 / p. 709-713 : ill
<https://dl.acm.org/doi/10.5555/647917.740018>

Simulation of hydraulic circuits in an intelligent programming environment (Part 1)

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [I] 2010 / p. 148-153 : ill

Simulation of hydraulic circuits in an intelligent programming environment (Part 2)

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 154-161 : ill

Simulation of incremental forming processes of sheet metal

Pohlak, Meelis; Küttner, Rein; Majak, Jüri Proceedings of 3th International Conference on Advances in Production Engineering : Warsaw, Poland, June 17-19, 2004. Part II 2004 / p. 133-140

Simulation of intra-cardiac complex impedance signals for developing simple bio-impedance models for cardio-dynamics

Gordon, Rauno BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 213-216 : ill

Simulation of logic-informational processes by means of problems-oriented computer languages

Tamm, Boris, inform. 5e congrès international de cybernétique : Namur, 11-15 Septembre 1967 : extrait = 5th International Congress on Cybernetics : Namur, September 11-15th 1967 : extract 1968 / p. 51-61 : ill

Simulation of mesoscale structure of a coastal upwelling event and related nutrient transport in the southern Gulf of Finland

Väli, Germa; Zhurbas, Victor; Elken, Jüri; Lips, Inga; Lips, Urmas; Laanemets, Jaan BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 42

Simulation of mesoscale structures and nutrient transport during summer upwelling events in the Gulf of Finland in 2006
Laanemets, Jaan; Väli, Germa; Zhurbas, Victor; Elken, Jüri; Lips, Inga; Lips, Urmas Boreal environment research 2011 / p. 15-26 : ill

https://www.researchgate.net/publication/244486520_Simulation_of_mesoscale_structures_and_nutrient_transport_during_summer_upwelling_events_in_the_Gulf_of_Finland_in_2006

Simulation of microwave radiometric temperature measurement inside biological tissues using FDTD method
Riipulk, Jevgeni; Hinrikus, Hiie; Beilenhoff, Klaus; Hartnagel, Hans EBEA Nancy'96, February 29 - March 3, 1996 : Third International Congress of the European Bio-Electromagnetics Association : abstract book 1996 / [1] p.: ill

Simulation of missile autopilot with two-rate hybrid neural network system

Astrov, Igor; Tatarly, Sergei; Tatarly, Svetlana Advances in electrical and computer engineering 2007 / 1, p. 18-22 : ill

https://www.researchgate.net/publication/41391566_Simulation_of_Missile_Autopilot_with_Two-Rate_Hybrid_Neural_Network_System

Simulation of modern passive stack ventilation in a retrofitted Nordic apartment building

Kravchenko, Iia; **Kosonen, Risto; Jokisalo, Juha;** Kilpeläinen, Simo E3S Web of Conferences : BuildSim Nordic 2022 2022 / art.

14003 https://doi.org/10.1051/e3sconf/202236214003_Conference_proceeding_at_Scopus_Article_at_Scopus

Simulation of neural network and fuzzy logic hybrid control for two-rate stochastic model of an experimental aircraft

Astrov, Igor; Rüstern, Ennu Proceedings of the Asian Simulation Conference - 5th International Conference on System Simulation and Scientific Computing (ICSC 2002), Shanghai, China, November 3-6, 2002. Vol. 2 2002 / p. 852-856

Simulation of noise-cancelling in the cockpit of an aircraft using two-rate hybrid neural network

Astrov, Igor; Tatarly, Sergei; Tatarly, Svetlana Advances in electrical and computer engineering 2007 / 2, p. 7-10

https://www.researchgate.net/publication/41391551_Simulation_of_Noise-Cancelling_in_the_Cockpit_of_an_Aircraft_Using_Two-Rate_Hybrid_Neural_Network

Simulation of nutrient transport from different depths during an upwelling event in the Gulf of Finland

Väli, Germa; Zhurbas, Victor; Laanemets, Jaan; Elken, Jüri Oceanologia 2011 / p. 431-448 : ill

<https://www.sciencedirect.com/science/article/pii/S0078323411500491>

Simulation of scattering from the grating of resistive microwires

Ziemelis, J.; Chertov, P. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 271-272: ill

Simulation of statics and steady state conditions of an electro-hydraulic servo-system

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 31-34 : ill

Simulation of the accumulator tank coupled with the power unit of power plant under the conditions of open electricity market

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Chemical engineering transactions 2012 / p. 757-762 : ill

https://www.researchgate.net/publication/278111928_Simulation_of_the_Accumulator_Tank_Coupled_with_the_Power_Unit_of_Power_Plant_under_the_Conditions_of_Open_Electricity_Market

Simulation of the behavior of a ship hull under grounding : effect of applied element size on structural crashworthiness

Prabowo, Aditya Rio; **Putranto, Teguh;** Sohn, Jung Min Journal of Marine Science and Engineering 2019 / Art. 270

https://doi.org/10.3390/jmse7080270_Journal_metrics_at_Scopus_Article_at_Scopus_Journal_metrics_at_WOS_Article_at_WOS

Simulation of the control system of AC linear positioning drive

Liivik, Liisa; Jansikene, Raik BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 77-78 : ill

Simulation of the frequency and phase acquisition processes in the adaptive phase locked loop

Min, Mart Internationales wissenschaftliches Kolloquium : IWK : 22-25.10.1990. Automatisierte Messsysteme 1990 / p. 259-262: fig

Simulation of the phase locked loops

Paavle, Toivo Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 73-78: ill

Simulation of three-rate decentralized LQG control for Lockheed L1011 aircraft

Astrov, Igor; Rüstern, Ennu Control and Applications : lasted International Conference 2001 2001 / p. 225-230

Simulation of three-rate neural and neuro-fuzzy hybrid control for the multidimensional stochastic model of a fighter

aircraft

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu SCI 2004 : the 8th World Multi-Conference on Systemics, Cybernetics and Informatics : July 18-21, 2004, Orlando, Florida, USA. Vol. 8 : proceedings 2004 / p. 351-356

Simulation of three-rate neural network control for stochastic model of a fighter aircraft

Astrov, Igor CCECE 2003 - Canadian Conference on Electrical and Computer Engineering : Toward a Caring and Humane Technology : May 4th to 7th 2003, Montreal, Canada : proceedings. Vol. 3 2003 / p. 1711-1714 : ill

Simulation of two-rate adaptive hybrid control with neural and neuro-fuzzy networks for stochastic model of an experimental aircraft

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu Proceedings of the International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2004) [and] 10th International Conference on Information System Analysis and Synthesis (ISAS 2004) : Orlando, Florida, USA. Vol. 2 2004 / p. 295-300

Simulation of two-rate adaptive hybrid control with neural and neuro-fuzzy networks for stochastic model of missile autopilot

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu WCICA 2004 : Fifth World Congress on Intelligent Control and Automation : June 15-19, 2004, Hangzhou, China : conference proceedings. Vol. 3 2004 / p. 2603-2607 : ill

Simulation of two-rate adaptive neural network and fuzzy logic hybrid control for stochastic model of an experimental aircraft

Astrov, Igor; Pedai, Andrus; Rüstern, Ennu Canadian Conference on Electrical and Computer Engineering 2004 = Conference canadienne en genie electrique et informatique : May 2-5, 2004, Fallsview Sheraton, Niagara Falls, Canada : proceedings. Vol. 1 2004 / p. 125-128 : ill

Simulation of two-rate hybrid control for nonlinear stochastic model of a diesel engine actuator

Astrov, Igor Advances in electrical and computer engineering : journal of the Faculty of Electrical Engineering, Stefan Cel Mare University, Suceava, Romania 2003 / 1(19), p. 72-83 <https://aece.ro/abstractplus.php?year=2003&number=1&article=12>

Simulation of two-rate hybrid control for stochastic model of missile autopilot

Astrov, Igor; Rüstern, Ennu Proceedings of the International Conference on Computer, Communication and Control Technologies (CCCT'03) : Sheraton World Resort, Orlando, Florida, USA, July 31-August 2, 2003. 3 2003 / p. 150-154

Simulation of two-rate neural network control for stochastic model of an experimental aircraft

Astrov, Igor; Tatarly, S.; Tatarly, S. Advances in electrical and computer engineering 2006 / 1, p. 75-83 <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=33c1d222839a8b7ec32792cb70adc3812139332a>

Simulation of two-rate neural network control for stochastic model of missile autopilot

Astrov, Igor; Tatarly, S.; Tatarly, S. Proceedings of the 6th WSEAS International Conference on Systems Theory and Scientific Computation : ISTASC'06 : Elounda, Agios Nikolaos, Crete Island, Greece, August 18-20, 2006 2006 / p. 169-174 <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=33c1d222839a8b7ec32792cb70adc3812139332a>

Simulation of two-rate neural network control stochastic model of missile autopilot

Astrov, Igor; Tatarly, S.; Tatarly, S. WSEAS transactions on systems 2006 / 11, p. 2536-2541 https://www.researchgate.net/publication/251819350_Simulation_of_Two-Rate_Neural_Network_Control_for_Stochastic_Model_of_Missile_Autopilot

Simulation of wave damping near coast due to offshore wind farms

Alari, Victor; Raudsepp, Urmas Journal of coastal research 2012 / p. 143-148 : ill <https://bioone.org/journals/Journal-of-Coastal-Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-Wind/10.2112/JCOASTRES-D-10-00054.1.short>

Simulation of wind turbine vibrations

Andriushchenko, Ekaterina; Kallaste, Ants; Vaimann, Toomas; Rassölkin, Anton; Meshkov, Aleksandr; Heidari, Hamidreza; Demidova, Galina 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/IWED48848.2020.9069567>

Simulation study of a centrifugal pumping plant's power consumption at throttling and speed control

Gevorkov, Levon; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8124823>

Simulation study of electric vehicles at fuzzy PID control of braking torque

Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; Raud, Zoja Informatics in Control, Automation and Robotics : 17th International Conference, ICINCO 2020 Lieusaint - Paris, France, July 7-9, 2020, Revised Selected Papers 2022 / p. 261-290 https://doi.org/10.1007/978-3-030-92442-3_15 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Simulation study of processes in electric vehicles under braking control based on reinforcement learning

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227478>

Simulation system for the economic evaluation of labour specialisation strategies

Sutt, Jüri; Lill, Irene Simulation Applications in the Baltic Area : proceedings of the Second CONSA Special Workshop : (October 10-11, 1999, Riga, Latvia) 2000 / p. 150-159 : ill

Simulation tools to study power electronics [Electronic resource]

Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu; Pettai, Elmo EPE 2009 : 13th European Conference on Power Electronics and Applications : 8-10 September 2009, Barcelona, Spain 2009 / ? p. [CD-ROM]

Simulation-based training in engineering

Vodovozov, Valery; Raud, Zoja EUROMEDIA'2009 : featuring : Fifteenth Annual Scientific Conference on Web Technology, New Media Communications and Telematics Theory Methods, Tools and Applications : April 15-17, 2009, Bruges, Belgium 2009 / p. 73-79

Simulations of predictable quantum efficient detector with PC1D

Gran, Jarle; **Kübarsepp, Toomas**; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Müller, Ingmar Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 263-265 : ill <https://cris.vtt.fi/en/publications/simulations-of-a-predictable-quantum-efficient-detector-with-pc1d>

Simuleerimine

Võhandu, Leo Arvutustehnika ja Andmetöötlus 1990 / 4, lk. 13-17

Simulink based model for flow control of a centrifugal pumping system

Gevorkov, Levon; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-4 : ill <https://doi.org/10.1109/IWED.2018.8321399>

Situational awareness based flight control of a four-rotor type UAV

Astrov, Igor; Pedai, Andrus Recent Researches in Automatic Control : 13th WSEAS International Conference on Automatic Control, Modelling and Simulation (ACMOS'11) : Lanzarote, Canary Islands, Spain, May 27-29, 2011 2011 / p. 63-68
https://www.researchgate.net/profile/Andrus-Pedai/publication/228410099_Situational_awareness_based_flight_control_of_a_four-rotor_type_UAV/links/0a85e52e763a72405e000000/Situational-awareness-based-flight-control-of-a-four-rotor-type-UAV.pdf?origin=scientificContributions

Situational awareness based flight control of a three-rotor mini-aircraft

Astrov, Igor; Pedai, Andrus New aspects of automatic control, modelling and simulation 2010 / p. 71-76
https://www.researchgate.net/publication/228415532_Situational_awareness_based_flight_control_of_a_three-rotor_mini-aircraft

Small magnus wind turbine : modeling approaches

Lukin, Aleksandr; **Demidova, Galina; Rassõlkin, Anton**; Lukichev, Dmitry; **Vaimann, Toomas**; Anuchin, Alecksey Applied sciences 2022 / art. 1884 <https://doi.org/10.3390/app12041884> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Software tools for modelling and simulation of manufacturing processes

Karaulova, Tatjana; Papstel, Jüri Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 245-248 : ill

Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland

Räämet, Andrus; Soomere, Tarmo Boreal environment research 2021 / p. 29-41 : ill., map
<http://www.borenv.net/BER/archive/pdfs/ber26/ber26-029-041.pdf>

SSBDD model : advantageous properties and efficient simulation algorithms

Raik, Jaan; Jutman, Artur; Ubar, Raimund-Johannes ETW'02 : 7th IEEE European Test Workshop, Gorfou Greece, May 26-29, 2002 : informal digest 2002 / p. 345-346 : ill

SSBDDs : advantageous model and efficient algorithms for digital circuit modeling, simulation & test

Jutman, Artur; Raik, Jaan; Ubar, Raimund-Johannes 5th International Workshop on Boolean Problems : September 19-20, 2002, Freiberg (Sachsen) : proceedings 2002 / p. 157-166 : ill

Szilicium planar technologiai eljárás számítógépes stimulációja

Rang, Toomas; Tarnay, K.; Masszi, F. Finommechanika, mikrotechnika: az Optikai, Akusztikai és Filmtechnikai Egyesület, a Híradástechnikai Tudományos Egyesület és a Méréstechnikai és Automatizálási Tudományos Egyesület lapja 1979 / p. 257-260

Stabilisation of aggressive population in simulation environment

Vassiljev, Stanislav; Tepandi, Jaak Proceedings of the IADIS Multi Conference on Computer Science and Information Systems.

Part 1, Intelligent Systems and Agents 2007 / p. 189-194 <https://www.iadisportal.org/digital-library/stabilisation-of-aggressive-population-in-simulation-environment>

Static and dynamic behavior of the SiC complementary JBS structures

Kurel, Raido; Rang, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 59-62 : ill

Steady state analysis of an output signal based combination of two NLMS adaptive filters

Trump, Tõnu 17th European Signal Processing Conference (EUSIPCO 2009) : 24-28 August 2009 2009 / p. 1720-1724
<https://ieeexplore.ieee.org/document/7077570>

Stenmap : framework for evaluating cybersecurity-related skills based on computer simulations

Mäses, Sten; Randmann, Liina; Maennel, Olaf Manuel; Lorenz, Birgy Learning and Collaboration Technologies : Learning and Teaching : 5th International Conference : LCT 2018, Held as Part of HCI International 2018, Las Vegas, NV, USA, July 15-20, 2018 : Proceedings, Part II 2018 / p. 492-504 https://doi.org/10.1007/978-3-319-91152-6_38 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Stitching Monte Carlo samples

Ehataht, Karl; Veelken, Christian The European Physical Journal C 2022 / art. 484, 16 p. : ill <https://doi.org/10.1140/epjc/s10052-022-10407-9>

Structurally synthesized multiple input BDDs for speeding up logic-level simulation of digital circuits

Mironov, Dmitri; Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan; Jutman, Artur 13th Euromicro Conference on Digital System Design : Architectures, Methods and Tools : DSD 2010 : Lille, France, 1-3 September 2010 : proceedings 2010 / p. 658-663 : ill <https://ieeexplore.ieee.org/document/5615526>

A study of channel model parameters for aerial base stations at 2.4 GHz in different environments

Sharma, Navuday; Magarini, Maurizio; Dossi, Laura; Reggiani, Luca; Reggiani, Roberto CCNC 2018 : 15th IEEE Annual Consumer Communications and Networking Conference, Las Vegas, USA, January 12-15, 2018 : proceedings 2018 / 6 p. : ill
<https://doi.org/10.1109/CCNC.2018.8319165>

Studying city-wide speed limits for balancing pedestrian safety and travel times : the case of Tallinn

Rasoulinezhad, Mahdi; Partanen, Jenni Vilhelmiina ECTQG 2023 : Proceedings, Abstracts 2025 / p. 230-231
https://ucpages.uc.pt/site/assets/files/1249198/ectqg_2023_proceedings_final.pdf

Sustainable management of construction labour

Lill, Irene The 25th International Symposium on Automation and Robotics in Construction : ISARC-2008 : June 26-29, 2008, Vilnius, Lithuania : selected papers 2008 / p. 864-875 : ill
https://www.researchgate.net/publication/320405191_Sustainable_Management_of_Construction_Labour

Sümbioos, sünergia, sünkroniseerimine : kohaneda ja omaks võtta : [Aalto ülikooli digidisaini-laborist : ka Martin Pärna kommentaar TTÜ laborite kohta ja Meelis Pohlaku kommentaar, millised võimalused on kiirprototüüpimise laboris TTÜs]
Valk, Veronika; **Pärn, Martin; Pohlak, Meelis** Sirp 2012 / lk. 22-23 : fot <https://www.sirp.ee/s1-artiklid/arhitektuur/suembioos-suenergia-suenkroniseerimine-kohaneda-ja-omaks-votta/>

System for bioimpedance signal simulation from pulsating blood flow in tissues

Gordon, Rauno; Pesti, Ksenija International workshop on impedance spectroscopy 2012 / p. 22-23 : ill

System for bioimpedance signal simulation from pulsating blood flow in tissues

Gordon, Rauno; Pesti, Ksenija Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 51-58 : ill

System level simulation of the winter navigation in the Baltic Sea

Kujala, Pentti Jouko Sakari; Kulkarni, Ketki; Kondratenko, Aleksandr; Lu, Liangliang; Winberg, Christine; Li, Fang; Musharraf, Mashrura Proceedings of 15th International Marine Design Conference (IMDC-2024) 2024 / p. 408-420
<https://doi.org/10.59490/imdc.2024.902>

Zero-strenght layers for timber frame assemblies in a standard fire

Tiso, Mattia; Just, Alar; Klippel, Michael; Schmid, Joachim; Brandon, Daniel International Network on Timber Engineering Research : INTER : Meeting 50, 28-31 August 2017, Kyoto, Japan : proceedings 2017 / p. 407-420 : ill

Teadurid tegutsevad: energiakavasid saab peagi luua suurema vaevata

Hallik, Liina ohtuleht.ee 2023 [Teadurid tegutsevad: energiakavasid saab peagi luua suurema vaevata](#)

Test generation for sequential digital systems based on symbolic simulation

Skobtsov, Vadim; Skobtsov, Yu. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 341-344: 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 at the behavioral level from VHDL circuit description containing several processes

Gramatova, Elena; Bezakova, Jana; Cibakova, Tatiana BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 145-148

Test scenario generator learning for model-based testing of mobile robots

Kanter, Gert; Liibert, Marti Ingmar System assurances : modeling and management 2022 / p. 67-84 <https://doi.org/10.1016/B978-0-323-90240-3.00005-9>

The imitation system for assessment of the formation of multicomponent air pollution level

Liblik, Valdo; Kundel, Helmut; Rätsep, Aavo GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December : proceedings 1994 / p. 131-138

The Maastricht inflation criterion : what is the effect of expansion of the European Union?

Lewis, John; **Staehr, Karsten** 2007 https://www.ester.ee/record=b2295663*est

The reduced cross-section method for the design of timber structures exposed to fire-background, limitations and new developments

Schmid, Joachim; König, Jürgen; **Just, Alar** Structural engineering international 2012 / p. 514-522
<https://www.tandfonline.com/doi/abs/10.2749/101686612X13363929517578>

Thermal investigations of microsystems

Szekely, Vladimir BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 29-36: ill

Thermal network simulation of heat pump aggregated energy flexibility

Plaum, Freddy 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. 101-102 : ill https://www.ester.ee/record=b5504019*est

Trainer 1149 : a boundary scan simulation bundle with hardware support for labs

Shibin, Konstantin; Jutman, Artur Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 135-138 : ill

Trainer 1149: a boundary scan simulation bundle for labs

Jutman, Artur; Ubar, Raimund-Johannes; Devadze, Sergei; Shibin, Konstantin; Rosin, Vjatšeslav MIXDES 2011 : 18th International Conference "Mixed Design of Integrated Circuits and Systems" : June 16-18, 2011, Gliwice, Poland 2011 / p. 520-525

TRAMOD traffic management assignment model

Metsvahi, Tiit Научная конференция "Безопасность движения", Таллинн, 14-15 ноября 1990 г. : тезисы 1990 / с. 25-27

Transient analysis of an output signal based combination of two NLMS adaptive filters

Trump, Tõnu IEEE International Workshop on Machine Learning for Signal Processing (MLSP) : Aug. 29 - Sept.1, 2010, Kittilä, Finland 2010 / p. 244-249 <https://ieeexplore.ieee.org/document/5589261>

Tulevik: ärisimulatsioon ja dünaamiline eelarvestamine

Laidre, Armin Saldo 2002 / 8, lk. 32-35 https://artiklid.elnet.ee/record=b1992804*est

Tunneling-percolation behavior of graphene-encapsulated whiskers as electroconductive fillers for ceramics

Hussainova, Irina; Ivanov, Roman; Kale, Sudhir S.; Jasiuk, Iwona Short fibre reinforced cementitious composites and ceramics 2019 / p. 131-139 https://doi.org/10.1007/978-3-030-00868-0_9 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Turundussimulatsioon Emerald Forest Hotel elamusliku õppimismeetodina [Võrguväljaanne]

Arvola, Rene Elamusdisain turunduses : turunduse õppetooli IV kevadkonverents : konverentsi ettekannete abstraktide kogumik : 10. mai 2016 2016 / lk. 14 <https://www.ttu.ee/public/m/majandusteaduskond/Sundmused/TurKonvAbstraktid.pdf>

A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations

Adámek, V.; **Berezovski, Arkadi**; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140
<https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Two-level simulation-based test generation for finite state machines

Brik, Marina; Ubar, Raimund-Johannes 17th NORCHIP Conference : Oslo, Norway, 8-9 November 1999 : proceedings 1999 / p. 211-216: ill

Two-rate LQG control of VTAV for enhanced situational awareness

Astrov, Igor Recent advances in circuits, systems, signal processing and communications : proceedings of the 8th WSEAS International Conference on Circuits, Systems, Signal and Telecommunications (CSST '14) : Tenerife, Spain, January 10-12, 2014 2014 / p. 163-168 : ill

Two-rate state-space mathematical models for stochastic multivariable continuous-time control systems and their simulation (MMAR'2000)

Astrov, Igor; Em, Juri; Rüstern, Ennu Proc. 6th International Conf. on Methods and Models in Automation and Robotics 2000 / p. 471-476

Uncertain new technologies – economics of ground effect vehicle operator

Hilmola, Olli-Pekka Kristian; Heljanko, Ekko Eemeli Verslas : teorija ir praktika = Business : theory and practice 2025 / p. 133-140 <https://doi.org/10.3846/btp.2025.22454>

Universal XR framework architecture based on open-source XR tools

Bondarenko, Yevhen; Kuts, Vladimir; Pizzagalli, Simone Luca; Nutonen, Karle; Murray, Niall; O'Connell, Eoin XR and metaverse : proceedings of the 8th international XR-metaverse conference 2023, Las Vegas, USA 2024 / p. 87-98
https://doi.org/10.1007/978-3-031-50559-1_7 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Urban Shaderade. Building space analysis method for energy and sunlight consideration in urban environments

De Luca, Francesco; Sepulveda Luque, Abel Computer-Aided Architectural Design. INTERCONNECTIONS: Co-computing Beyond Boundaries. CAAD Futures 2023 : 20th International Conference, Delft, The Netherlands, July 5–7, 2023 : Selected Papers 2023 / p. 317-332 https://doi.org/10.1007/978-3-031-37189-9_21 [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

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

Use of simplified bowed string model in physics education : a laboratory experiment

Vilipuu, Marek; Kartofelev, Dmitri; Kalda, Jaan Proceedings of Meetings on Acoustics 2022 / art. 025001
<https://doi.org/10.1121/2.0001628> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Using factory automation simulation system in study process

Möller, Taavi; Müür, Margus; Pettai, Elmo 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 200-203 : ill

Using V2G technology as virtual active power filter for flexibility enhancement of HVDC systems

Zolfaghari, Mahdi; **Ahmadihangar, Roya;** Gharehpetian, Gevork B.; **Rosin, Argo; Plaum, Freddy** Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 489-494 : ill <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161602>

Validation of 1D and 3D analyses for performance prediction of an automotive silencer

Siano, Daniela; Auriemma, Fabio; Bozza, Fabio; **Rämmal, Hans** SAE technical papers 2011 / [14] p
https://www.researchgate.net/publication/258519244_Validation_of_1D_and_3D_Analyses_for_Performance_Prediction_of_an_Automotive_Silencer

Validation of a simulation model for hygrothermal performance of log wall with internal thermal insulation in cold climate

Arumägi, Endrik; Kalamees, Targo Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 345-352 : ill [Allalaadimine ETISest](#)

Validation of three-dimensional hydrodynamic models in the Gulf of Finland based on a statistical analysis of a six-model ensemble

Myrberg, Kai; **Passenko, Jelena** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 104-105

Waves in inhomogeneous solids

Berezovski, Arkadi; Berezovski, Mihail; Engelbrecht, Jüri Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 55-81 : ill https://link.springer.com/chapter/10.1007/978-3-642-00585-5_5

Wear simulation with the Winkler surface model

Pödra, Priit; Andersson, Sören Wear 1997 / p. 79-85 : ill

Vector decision diagrams for simulation of digital systems

Ubar, Raimund-Johannes; Morawiec, Adam; **Raik, Jaan** DDECS'2000 2000 / p. 44-51

Vehicle steering dynamic calculation and simulation

Vu, Trieu Minh Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0237-0242 : ill [CD-ROM]

https://www.researchgate.net/publication/259632108_VEHICLE_STEERING_DYNAMIC_CALCULATION_AND_SIMULATION

Verification of multi-phase flow model and identification of sliding grid technologies for CFD simulation in stirred tank

Sha, Zuo-Liang; Yang, Guang-Yu; Louhi-Kultanen, Marjatta; Kallas, Juha ACFD 2000 Beijing : International Conference on Applied Computational Fluid Dynamics : October 17-20, 2000, Beijing, China : selected papers 2000 / p. 118-124 : ill

Vibration of strings with nonlinear supports

Stulov, Anatoli; Kartofelev, Dmitri Applied acoustics 2014 / p. 223-229 : ill <https://doi.org/10.1016/j.apacoust.2013.08.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

Virtuaaltehas võimaldab hinnata tootmise tõhusust juba enne reaalset ehituse algust

Kõik tööstustehnikast 2021 / p. 12-13 <https://eestiturundusagentuur.ee/wp-content/uploads/2021/12/Toostustehnika-v.pdf>

Virtuaaltehas võimaldab hinnata tootmise tõhusust juba enne reaalset ehituse algust [Võrguväljaanne]

digi.geenius.ee 2022 ["Virtuaaltehas võimaldab hinnata tootmise tõhusust juba enne reaalset ehituse algust."](#)

Virtual lab to study power electronic converters [Electronic resource]

Raud, Zoja; Vodovozov, Valery SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 2010 / p. 703-708 [CD-ROM]

https://www.researchgate.net/publication/241171359_Virtual_lab_to_study_power_electronic_converters

Аналитико-численная модель для исследования стационарного непроводящего состояния силовых тиристоров

Velme, Enn; Rang, Toomas Расчет и проектирование измерительных преобразователей 1983 / с. 57-67 : ил

https://www.ester.ee/record=b1288985*est <https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

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

Возможные этапы разработки программ имитации плановых расчетов предприятий бытового обслуживания

Lageda, Elvi Актуальные вопросы организации и планирования бытового обслуживания 1981 / с. 69-84 : ил

https://www.ester.ee/record=b1328404*est <https://digikogu.taltech.ee/et/Item/4616b054-90a2-4a74-92c2-9ef1cc7e46d7>

Двумерное численное моделирование процесса выключения запираемого тиристора

Udal, Andres Измерение и моделирование в электронике 1987 / с. 65-77

Имитационное моделирование поточного производства на банке данных

Simanova, H.F. Построение трансляторов, обработка данных, вопросы программирования 1980 / с. 87-100 : ил

https://www.ester.ee/record=b1264940*est <https://digikogu.taltech.ee/et/Item/c45a8e3c-2112-4737-8026-a158196b9d12>

Имитация выполнения параллельных алгоритмов на однопроцессорной ЭВМ

Amitan, Irina Проблемы базы данных, построения трансляторов и анализа данных 1981 / с. 111-120

https://www.ester.ee/record=b1317426*est

Исследование экономической эффективности освоения рабочими смежных специальностей методом имитационного моделирования

Sutt, Jüri; Allikas, Irene Управление строительством 1985 / с. 25-35 : ил https://www.ester.ee/record=b1274017*est

<https://digikogu.taltech.ee/et/Item/d3efeaff-5e66-4782-8a4a-0f3f0ee0de55>

Моделирование динамического внедрения сферического индуктора

Kleis, Ilmar; Lepik, Ülo; Uuemõis, Haljand; Kangur, Hillar Трение, износ и смазочные материалы. Т. 1, Трение твердых тел. Износ. Моделирование трения и износа, методы испытаний и испытательное оборудование : труды международной научной конференции (Ташкент, 22-26 мая 1985 г.) : тезисы секционных докладов 1985 / с. 452-455

https://www.ester.ee/record=b2770074*est

Моделирование накопления цифровых сигналов

Lumberg, Tõnu; Heinrichsen, Vladimir Методы и средства цифровой обработки сигналов 1984 / с. 43-47 : ил

https://www.ester.ee/record=b1302208*est <https://digikogu.taltech.ee/et/Item/e49ece5a-b726-4a2f-860f-748b84670a0c>

Хранение данных при моделировании цифровых устройств обработки сигналов

Lumberg, Tõnu Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 39-44