

### **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](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](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, Srijan; 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](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](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](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](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](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, Viuu 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](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](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](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](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](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](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](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**

Kuzmicz, 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.; Kuzmicz, 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/ese\\_0045.pdf](https://www.scs-europe.net/conf/ecms2007/ecms2007-cd/ecms2007/ecms2007%20pdf/ese_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](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](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](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 Moullec, 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](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](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](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](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](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://doi.org/10.1007/978-3-030-29951-4_5) [https://www.ester.ee/record=b5303400\\*est](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](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](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](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](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](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](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](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.iimpeng.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](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](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](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](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&copyownerid=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; Kuzmich, 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](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/elibrary/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](https://www.ester.ee/record=b2226959*est)

**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.; **Velmre, 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.; **Velmre, 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.eester.ee/record=b5504019\\*est](https://www.eester.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](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**

**Velmre, Enn**; **Udal, 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](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**

**Velmre, Enn**; **Udal, 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](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 tahkistes" 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; Viirja, 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, Urmaz** 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](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, Mihhail; 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](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**

Milatskov, 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**

Kuzmich, 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](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](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](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](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](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](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 / 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](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](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](https://www.ester.ee/record=b2180432*est)

**Numerical simulation of electrothermal effects in ESD protection devices**

**Hellstrom, S.; Freidin, Boris; Velmre, Enn; Udál, Andres** Techn. Dig. of the 3rd European Symposium on Reliability of Electron Devices, Failure Physics and Analysis, 1992, Oct. 5-8, Schwäbisch Gmünd, Germany 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; Udál, 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](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

**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://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 : HMS 2003 : September 18-20, 2003, Riga, Latvia 2003 / p. 385-394

**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](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](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](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 kunstimuseum 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 : MIDE conference 2007 proceedings 2007 / p. 165-170 : ill  
[https://www.researchgate.net/publication/221153650\\_Parallel\\_fault\\_backtracing\\_for\\_calculation\\_of\\_fault\\_coverage](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](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 kokkuvõtteid : 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/mmmp/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 международной научно-технической конференции, 13-18 сентября 1999 г. в г. Севастополе. Том 3 1999 / с. 277-283: ил

### **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; Ilyin, Alexander; **Vaimann, Toomas; Rassõlkin, Anton; Gevorkov, Levon; Kallaste, Ants** 19th 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](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](https://www.ester.ee/record=b5574240*est)

#### **Scrutiny of MT-SOFC stack manifold 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](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; JanãÃ Â 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. [I] 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\\_ev](https://www.researchgate.net/publication/244486520_Simulation_of_mesoscale_structures_and_nutrient_transport_during_summer_upwelling_ev)

**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](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, Iliia; **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](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, Germo; 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](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

**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](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; Rassõlkin, 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; Rassõlkin, 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](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](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](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, Gorfú 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

#### **Szilícium planar technologiai eljárás számítógépes stimulációja**

**Rang, Toomas**; Tamay, 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 / 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](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**

**Rasoulnezhad, 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](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](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](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](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](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](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** Elamusdisaini 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; 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](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](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](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

#### **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](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](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](https://www.researchgate.net/publication/241171359_Virtual_lab_to_study_power_electronic_converters)

#### **Аналитико-численная модель для исследования стационарного непроводящего состояния силовых тиристорov**

**Velmre, Enn; Rang, Toomas** Расчет и проектирование измерительных преобразователей 1983 / с. 57-67 : ил  
[https://www.ester.ee/record=b1288985\\*est](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 : илл  
[https://www.ester.ee/record=b1328404\\*est](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 : илл  
[https://www.ester.ee/record=b1264940\\*est](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](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

#### **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](https://www.ester.ee/record=b2770074*est)

#### **Хранение данных при моделировании цифровых устройств обработки сигналов**

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