

A method of conceptual modelling for realistic training scenarios

Shvartsman, Inna; Taveter, Kuldar; Meriste, Merik ICAART 2013 - proceedings of the 5th International Conference on Agents and Artificial Intelligence, : Barcelona, Spain, 15-18 February, 2013. Volume 1 2013 / p. 443-446

A techno-economic simulation model to reveal the relevance of construction process impact factors for External Thermal Insulation Composite System (ETICS)

Sulakatko, Virgo World Academy of Science, Engineering and Technology. International journal of architectural and environmental engineering 2017 / [1] p <http://dai.waset.org/1307-6892/64692>

Accelerating transient fault injection campaigns by using Dynamic HDL Slicing

Bagbaba, Ahmet Cagri; Jenihhin, Maksim; Raik, Jaan; Sauer, Christian 2019 IEEE Nordic Circuits and Systems Conference (NORCAS) : NORCHIP and International Symposium of System-on-Chip (SoC), 29-30 October 2019, Helsinki, Finland : proceedings in IEEE Xplore 2019 / 7 p. : ill <https://doi.org/10.1109/NORCHIP.2019.8906932>

Accuracy analysis of dual active bridge simulations under different integration methods

Arena, Gabriele; Vinnikov, Dmitri; Chub, Andrii; de Carne, Giovanni 2022 AEIT International Annual Conference (AEIT) : October 3-5, 2022 2022 / p. 1-6 <https://doi.org/10.23919/AEIT56783.2022.9951711>

Accurate NBTI-induced gate delay modeling based on intensive SPICE simulations

Kostin, Sergei; Raik, Jaan; Ubar, Raimund-Johannes; Jenihhin, Maksim MEDIAN Finale : Workshop on Manufacturable and Dependable Multicore Architectures at Nanoscale : November 10-11, 2015, Tallinn, Estonia 2015 / p. 21-26 : ill

Advancement in production engineering education through Virtual Learning Factory Toolkit concept

Mahmood, Kashif; Otto, Tauno; Kuts, Vladimir Proceedings of the Estonian Academy of Sciences 2021 / p. 374-382 : ill <https://doi.org/10.3176/proc.2021.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Agent-oriented modelling for tabletop military training exercises

Švartsman, Inna; Taveter, Kuldar Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 91-94 : ill

Airtightness, air exchange and energy performance in historic residential buildings with different structures

Eskola, Lari; Alev, Üllar; Arumägi, Endrik; Jokisalo, Juha; Donarelli, Anna; Sirén, Kai; **Kalamees, Targo** International journal of ventilation 2015 / p. 11-26 : ill <https://doi.org/10.1080/14733315.2015.11684066>

Algorithms for hierarchical fault simulation in digital systems

Ubar, Raimund-Johannes; Raik, Jaan; Klüver, B. Proceedings of the 10th International Conference : Mixed Design of Integrated Circuits and Systems : MIXDES 2003 : Lodz, Poland, 26-28 June 2003 2003 / p. 530-535 : ill

Application of an advanced repetitive controller to mitigate harmonics in MMC with APOD scheme

Madichetty, Sreedhar; Dasgupta, Abhijit; Mishra, Sambeet; Panigrahi, Chinmoy Kumar; Basha, Ghouse IEEE transactions on power electronics 2016 / p. 6112-6121 : ill <http://dx.doi.org/10.1109/TPEL.2015.2501314>

Application of high-level decision diagrams for simulation-based verification tasks

Jenihhin, Maksim; Raik, Jaan; Tšepurov, Anton; Ubar, Raimund-Johannes Estonian journal of engineering 2010 / 1, p. 56-77 : ill

Application of simulation modeling to improve management of technological processes during production of automotive components

Khabibullin, Rifat; Makarova, Irina; Pashkevich, Anton; Mavrin, Vadim; Shubenkova, Ksenia 17th Mechatronics 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 43-49 : ill <http://ieeexplore.ieee.org/document/7827791/>

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

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

Assessment of aviation security risk management for airline turnaround processes

Matulevičius, Raimundas; Norta, Alexander; Udokwu, Chibuzor; Nõukas, Rein Transactions on large-scale data- and knowledge-centered systems XXXVI : special issue on data and security engineering 2017 / p. 109-141 : ill https://doi.org/10.1007/978-3-662-56266-6_6

Assessment of pedestrian crossings measuring parameters and implementation of new measuring methods in Estonia

Varjas, Toivo; Kuusik, Marko; Armas, Jelena; Rosin, Argo 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 4 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659821>

Autonomous vehicle safety evaluation through a high-fidelity simulation approach

Malayjerdi, Mohsen; Baykara, Baris Cem; Sell, Raivo; Malayjerdi, Ehsan Proceedings of the Estonian Academy of Sciences 2021 / p. 413-421 : ill <https://doi.org/10.3176/proc.2021.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A bio-impedance signal simulator (BISS) for research and training purposes

Muhammad, Yar; Le Moullec, Yannick; Annus, Paul; Krivošei, Andrei 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill <https://doi.org/10.1109/ISSC.2015.7163746>

A cache-based approach toward improved scheduling in fog computing

Khan, Osama Amir; Malik, Saif Ur Rehman; Baig, Faizan M.; Islam, Saif Ul; Pervaiz, Haris; Malik, Hassan; Ahmed, Syed Hassan Software - Practice and Experience 2021 / p. 2360 - 2372 <https://doi.org/10.1002/spe.2824> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Challenges and ways forward for performance-driven and simulation-based computational design for sustainable cities and communities

De Luca, Francesco Regenerating the City Performance-driven and Simulation-based Computational Design for Sustainable Cities and Communities : proceedings of the 9th Regional International Symposium on Education and Research in Computer Aided Architectural Design in Europe, Tallinn University of Technology, 15-16 June 2023 2023 / p. 189-192 <https://digikogu.taltech.ee/et/Item/c29fc911-ec34-45da-afe6-bc1e8515e15d>

Code coverage analysis for concurrent programming languages using high-level decision diagrams

Jenihhin, Maksim; Raik, Jaan; Tšepurov, Anton; Reinsalu, Uljana; Ubar, Raimund-Johannes Proceedings of the 12th European Workshop on Dependable Computing : EWDC 2009 : Toulouse, France, May 14-15, 2009 2009 / [4] p. : ill <https://hal.archives-ouvertes.fr/hal-00381559>

Collaborative distributed computing in the field of digital electronics testing

Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes Balanced Automation Systems for Future Manufacturing Networks : 9th IFIP WG 5.5 International Conference : BASYS 2010 : Valencia, Spain, July 21-23, 2010 : proceedings 2010 / p. 145-152

Collaborative distributed fault simulation for digital electronic circuits

Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes Intelligent Distributed Computing IV : proceedings of the 4th International Symposium on Intelligent Distributed Computing - IDC 2010 : Tangier, Morocco, September 2010 2010 / p. 67-76

Combinational fault simulation in sequential circuits

Ubar, Raimund-Johannes; Kõusaar, Jaak; Gorev, Maksim; Devadze, Sergei 2015 IEEE International Symposium on Circuits and Systems : 24-27 May 2015, Lisboa, Portugal : [proceedings] 2015 / p. 2876-2879 : ill

A combined analytical model for increasing the accuracy of heat emission predictions in rooms heated by radiators

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek Journal of building engineering 2019 / p. 291-300 <https://doi.org/10.1016/j.jobe.2019.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined FE and particle swarm algorithm for optimization of high speed PM synchronous machine

Belahcen, Anouar; Martin, Florian; El Hadi Zaim, Mohammed; Dlala, Emad; Kolondzovski, Zlatko COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 475-484 : ill <http://dx.doi.org/10.1108/COMPEL-07-2014-0168>

Combining fault analysis technologies for ISO26262 functional safety verification

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

Comparative analysis of zigbee based wireless sensor networks (WSNs)

Shabbir, Noman; Hassan, Syed R.; Iqbal, Muhammad N.; Kütt, Lauri; Unbreen, A. International journal of recent technology and engineering 2019 / p. 980-984 : ill <https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Comparative Analysis of ZigBee Based Wireless Sensor Networks (WSNs)

Shabbir, Noman; Hassan, Syed Rizwan; Iqbal, Muhammad Naveed; Kütt, Lauri Proceeding of the 4th International Conference on Recent Trends in Computer Science and Electronics 2019 2019 / p. 115 http://www.rtcse.org/RTCSE_2019.pdf

Comparative Analysis of ZigBee Based Wireless Sensor Networks (WSNs)

Shabbir, Noman; Hassan, Syed Rizwan; Iqbal, Muhammad Naveed; Kütt, Lauri; Unbreen, Arooj International journal of recent technology and engineering 2019 / p. 980-984 : ill <https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf>

Comparative study of field-oriented control model in application for induction and synchronous reluctance motors for life-cycle analysis

Autsou, Siarhei; Saroka, Viktor; Karpovich, Dzmitry; **Rassölkin, Anton; Gevorkov, Levon; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar**; Rassölkin, Anton 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill <https://doi.org/10.1109/IWED.2018.8321371>

Comparison of simplified and detailed window models in energy simulations

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 26-31 : ill

Comparison of three MPPT algorithms for three-level neutral-point-clamped qZ-Source inverter [Electronic resource]

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Minambres-Marcos, Victor; **Stepenko, Serhii**; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 80-85 : ill [CD-ROM]

Compliance with summer thermal comfort requirements in apartment buildings

Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk; Kalamees, Targo Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 64-69 : ill

Computer modelling of airplane electro-hydraulic aileron position control

Grossschmidt, Gunnar; Pahapill, Jaak International Workshop on Trends in Hydraulic and Pneumatic Components and Systems, November 8-9, 1994 , Chicago, Illinois : an integral part of the program of the 1994 ASME International Congress & Exposition. Vol. 2, Poster papers / IFAC 1994 / 15 p

Computer modelling of hydraulic systems using the NUT language and programming environment

Grossschmidt, Gunnar; Pahapill, Jaak; Züger, Armin The Fourth Scandinavian International Conference on Fluid Power : proceedings of the conference, Tampere, Finland, September 26-29, 1995. Vol. 1 1995 / p. 336-345: ill

Computer-simulation of impedance vector dynamics of intra-cardiac 4-electrode bio-impedance measurement

Gordon, Rauno; Rätsep, Indrek; **Kink, Andres** 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. 257-260 : ill

Control scheme of a Three-Phase Three-Level NPC qZ-Source inverter with LCL filter for RES applications

Roncero-Sanches, Pedro; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Makovenko, Elena** Proceedings of the IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society : Florence, Italy, October 24-27 2016 2016 / p. 6540-6547 <https://doi.org/10.1109/IECON.2016.7793338>

Cost optimal and nearly zero energy building solutions for office buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek Energy and buildings 2014 / p. 30-42 : ill

Creating randomness with games

Henno, Jaak; Jaakkola, Hannu; Mäkelä, Jukka Acta Polytechnica Hungarica : journal of applied sciences at Budapest Polytechnic Hungary 2019 / p. 193-212 : ill http://acta.uni-obuda.hu/Henno_Jaakkola_Makela_96.pdf <https://doi.org/10.12700/APH.16.9.2019.9.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current crowding phenomenon in JBC structures

Rang, Toomas; Kurel, Raldo; Higelin, G.; Poirier, Laurent Computer Methods and Experimental Measurements for Surface Effects and Contact Mechanics VII 2005 / p. 387-396 <https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/49/15383>

DeepAxe : a framework for exploration of approximation and reliability trade-offs in DNN accelerators

Taheri, Mahdi; Riazati, Mohamad; **Ahmadilivani, Mohammad Hasan; Jenihhin, Maksim; Daneshtalab, Masoud; Raik, Jaan**; Sjödin, Mikael; Lisper, Björn arXiv.org 2023 / 8 p. : ill <https://doi.org/10.48550/arXiv.2303.0822>

Defect-oriented mixed-level fault simulation in digital systems

Ubar, Raimund-Johannes; Raik, Jaan; Ivask, Eero; Brik, Marina Facta Universitatis [Niš]. Series electronics and energetics 2002 / 1, April, p. 123-136 : ill

Design and simulations of dual clutch transmission for hybrid electric vehicles

Vu, Trieu Minh; Abouelkheir, Moustafa International journal of electric and hybrid vehicles 2017 / p. 302-321 : ill

Determined-safe faults identification : a step towards ISO26262 hardware compliant designs

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Sartoni, Sandro; Cantoro, Riccardo; Sonza Reorda, Matteo; Hamdioui, Said; Sauer, Christian 2020 25th IEEE European Test Symposium (ETS) 2020 / 6 p. : ill <https://doi.org/10.1109/ETS48528.2020.9131568>

Development and simulation of an adaptive control system for the teleoperation of medical robots

Vu, Trieu Minh Engineering creative design in robotics and mechatronics 2013 / p. 173-185 : ill

Development of the modelling tool for the analysis of the production process and its entities for SME
Karaulova, Tatjana 2004

Development of the software tools for simulation of quantum well media for radiation amplification in MIR and THz regions

Udal, Andres; Reeder, Reeno; Valusis, G.; Kasalynas, I.; Ikonis, Zoran; Indjin, D. 3rd Annual Conference of COST Action MP1204 & 6th International Conference on Semiconductor Mid-IR Materials and Optics SMMO2015 : book of abstracts : Institute of Photonics and Electronics, The Czech Academy of Sciences, Prague, Czech Republic, April 8-11, 2015 2015 / p. 63

DfT-based external test and diagnosis of mesh-like networks on chips = Testitavusel põhinev välise testi ja diagnoosi meetod kahemõõtmelistele kiipvõrkudele

Govind, Vineeth 2009 <https://digi.lib.ttu.ee/ii/?454> https://www.ester.ee/record=b2539211*est

Digitaalseadmete simuleerimine : õppemetoodiline vahend

1989 https://www.ester.ee/record=b1221053*est

Digital simulation of analog phase locked loops

Min, Mart; Paavle, Toivo; Kiive, Rein Automation, simulation & measurement : ASM'91 : 3rd biennial conference, Tallinn, October 7-11, 1991. Section A. Section M / Tallinn Technical University 1992 / p. 135-150: ill

Digital twin simulations based reinforcement learning for navigation and control of a wheel-on-leg mobile robot

Alsaleh, Saleh Ragheb Saleh; Tepljakov, Aleksei; Tamre, Mart; Kuts, Vladimir; Petlenkov, Eduard Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-95411, V02BT02A025, 8 p <https://doi.org/10.1115/IMECE2022-95411>

Discussion of the development aspects of the quantum cascadelaser simulation software

Reeder, Reeno; Udal, Andres; Velmre, Enn International Conference on THz and Mid Infrared Radiation and Applications to Cancer Detection Using Laser Imaging : workgroup meetings of Cost Actions MP1204 and BM1205 : October 10-11, 2013, Sheffield Hallam University, United Kingdom 2013 / p. [36]

Distributed approach for parallel exact critical path tracing fault simulation

Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes MIXDES 2010 : 17th International Conference "Mixed Design of Integrated Circuits and Systems" : June 24-26, 2010, Wroclaw, Poland 2010 / p. 471-476 : ill

Distributed approach for parallel exact critical path tracing fault simulation

Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes International journal of microelectronics and computer science 2010 / p. 165-174 : ill

Distributed fault simulation with collaborative load balancing for VLSI circuits

Ivask, Eero; Devadze, Sergei; Ubar, Raimund-Johannes Scalable computing : practice and experience 2011 / p. 153-163 : ill

Driver distraction while performing a secondary task evaluation approach based on fuzzy expert system

Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery; Petlenkov, Eduard;** Herrmann, Martin 2017 / p. 1-27 : ill
<https://www.etis.ee/File/DownloadPublic/9fe35346-efcf-4429-af04-ba8325dc1480?name=GSVF2017-Aksjonov.pdf&type=application%2Fpdf>
<https://www.gsvf.at/index.php/en/program-2017>

Dynamic grounding analysis

Heinvee, Martin; Urbel, Annika; Tabri, Kristjan Proceedings of the 2nd International Conference Optimization and Analysis of Structures : Tartu, Estonia, August 25-27, 2013 2013 / p. 39-44 : ill

Easy-to-implement simulation strategies for dynamic glare risk assessment based on the European Daylighting Standard

Bueno, Bruno; **Sepulveda Luque, Abel** 17th International Conference of the International Building Performance Simulation Association (BS 2021), Bruges, Belgium, 1 – 3 September 2021 : proceedings 2021 / p. 1195-1202 [17th International Conference of the International Building Performance Simulation Association \(BS 2021\). Bruges, Belgium, 1 – 3 September 2021](https://doi.org/10.26868/25222708.2021.30208)
<https://doi.org/10.26868/25222708.2021.30208>

Effective modeling and simulation of complicated fluid power systems

Grossschmidt, Gunnar; Harf, Mait Modern Fluid Power : Challenges, Responsibilities, Markets : 9th International Fluid Power Conference, 24th-26th March 2014, Aachen, Germany : proceedings. Vol. 2, Conference : tuesday, March 25th + scientific poster session 2014 / p. 374-385 : ill

Efficiency management of robotic production processes at automotive industry

Makarova, Irina; Khabibullin, Rifat; Mukhametdinov, Eduard; **Pashkevich, Anton;** Shubenkova, Ksenia 17th Mechatronics 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 35-42 : ill <http://ieeexplore.ieee.org/document/7827790/>

Efficient fault injection based on dynamic HDL slicing technique

Bagbaba, Ahmet Cagri; Jenihhin, Maksim; Raik, Jaan; Sauer, Christian 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS 2019) : 1-3 July 2019, Greece 2019 / p. 52-53 : ill
<https://doi.org/10.1109/IOLTS.2019.8854419>

Efficient methodology for ISO26262 functional safety verification

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri;** Hamdioui, Said; Sauer, Christian 2019 IEEE 25th International Symposium on On-Line Testing and Robust System Design (IOLTS), 1-3 July 2019, Rhodes, Greece 2019 / p. 255-256
<https://doi.org/10.1109/IOLTS.2019.8854449>

Electric field distribution in glass and porcelain pin insulators [Electronic resource]

Taklaja, Paul; Kiitam, Ivar; Niitsoo, Jaan; Hyvönen, Petri; Klüss, Joni 2015 IEEE 15th International Conference on Environment and Electrical Engineering : conference proceedings : June 10-13, 2015, Rome 2015 / p. 267-271 : ill. [CD-ROM]
<http://dx.doi.org/10.1109/EEEIC.2015.7165550>

Energy demand for the heating and cooling of residential houses in Finland in a changing climate

Jylhä, Kirsti; Jokisalo, Juha; **Kalamees, Targo** Energy and buildings 2015 / p. 104-116 : ill
<http://dx.doi.org/10.1016/j.enbuild.2015.04.001>

Energy pile and heat pump modeling in whole building simulation model

Fadejev, Jevgeni; Kurnitski, Jarek Proceedings of the 2014 Building Simulation and Optimization Conference" : 23-24 June 2014, UCL, London, UK 2014 / [7] p. : ill

Enhancing the quality of contingency planning by simulation

Honkavuo, Hanna; Jähi, Markus; Kosonen, Ari; Piira, Kalevi; **Rannat, Kalev;** Soininen, Jari; **Meriste, Merik; Taveter, Kuldar** ISCRAM2015 conference proceedings : 12th International Conference on Information Systems for Crisis Response and Management : Kristiansand, May 24-27 2015 / [6] p. : ill

Ensuring sustainability of public transport system through rational management

Makarova, Irina; **Pashkevich, Anton;** Shubenkova, Ksenia Procedia engineering 2017 / p. 137-146 : ill
<https://doi.org/10.1016/j.proeng.2017.01.078>

Environment for fault simulation acceleration on FPGA

Ellervee, Peeter; Raik, Jaan; Tihomirov, Valentin BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 217-220 : ill

Evaluating cybersecurity-related competences through simulation exercises = Küberturbe-alaste kompetentside hindamine simulatsiooniharjutuste abil

Mäses, Sten 2020 https://www.ester.ee/record=b5384385*est <https://digikogu.taltech.ee/et/Item/b4c33d3b-e7ce-48ad-98ad-a0add5e571a3>

Exact parallel critical path fault tracing to speed-up fault simulation in sequential circuits

Kõusaar, Jaak; Ubar, Raimund-Johannes; Kostin, Sergei; Devadze, Sergei; Raik, Jaan International journal of microelectronics and computer science 2018 / p. 9-18 <https://ijmcs.dmcsl.pl/web/guest/vol.-9-no.-1>
https://ijmcs.dmcsl.pl/documents/10630/345460/IJMCS_1_2018_2.pdf

Exhaust air heat pump connection schemes and balanced heat recovery ventilation effect on district heat energy use and return temperature

Thalfeldt, Martin; Kurnitski, Jarek; Latõšov, Eduard Applied thermal engineering 2018 / p. 402-414 : ill
<https://doi.org/10.1016/j.applthermaleng.2017.09.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fault simulation and code coverage analysis of RTL designs using high-level decision diagrams = Rikete simuleerimine ja koodikatte analüüs register-siirde tasemel kasutades kõrgtaseme otsustusdiagramme

Reinsalu, Uljana 2013 https://www.ester.ee/record=b2963595*est

Fault simulation of digital systems = Digitaalsüsteemide rikete simuleerimine

Devadze, Sergei 2009 <https://digi.lib.ttu.ee/il/?445> https://www.ester.ee/record=b2508727*est

Fault simulation with parallel critical path tracing for combinational circuits using structurally synthesized BDDs

Devadze, Sergei; Raik, Jaan; Jutman, Artur; Ubar, Raimund-Johannes 7th IEEE Latin American Test Workshop LATW'06 : Buenos Aires, Argentina, March 26th-29th, 2006 : proceedings 2006 / p. 97-102 : ill

Fault simulation with parallel exact critical path tracing in multiple core environment

Gorev, Maksim; Ubar, Raimund-Johannes; Devadze, Sergei Proceedings of the 2015 Design, Automation & Test in Europe Conference & Exhibition (DATE) : 9-13 March 2015, Grenoble, France 2015 / p. 1180-1185 : ill

Formal verification and error correction on high-level decision diagrams = Formaalne verifitseerimine ja vigade parandamine kõrgtasemelistel otsustusdiagrammidel

FPGA based fault emulation of synchronous sequential circuits

Ellervee, Peeter; Raik, Jaan; Tihomirov, Valentin; Ubar, Raimund-Johannes Proceedings [of] 22nd NORCHIP Conference : Oslo, Norway, 8-9 November 2004 2004 / p. 59-62 <https://ieeexplore.ieee.org/abstract/document/1423822>

FSMD RTL design manipulation for clock interface abstraction

Abrar, Syed Saif; Jenihhin, Maksim; Raik, Jaan 2015 International Conference on Advances in Computing, Communications and Informatics (ICACCI) : 10-13 August 2015, Kerala, India 2015 / p. 463-468 : ill <http://dx.doi.org/10.1109/ICACCI.2015.7275652>

A fuzzy rule-based model for the assessment of macrobenthic habitats under hydropeaking impact

Schneider, Matthias; Kopecki, Janina; **Tuhtan, Jeffrey Andrew** River research and applications 2017 / p. 377-387 : ill <http://dx.doi.org/10.1002/rra.3079>

FYPsim : evaluation tool for solar-based energy harvesting for WSNs

Ahmed, Faisal; Le Moullec, Yannick; Annus, Paul International journal of bioelectromagnetism 2015 / p. 75-86 : ill

Geothermal energy piles and boreholes design with heat pump in a whole building simulation software

Fadejev, Jevgeni; Kurnitski, Jarek Energy and buildings 2015 / p. 23-34 : ill

GIGA - power semiconductor devices simulation software

Freidin, Boris; Velmre, Enn; Udal, Andres The Bug Exterminator (USA). Special issue, Santa Clara 1990 / Dec., p. 1-16: fig

Hardware-in-the-loop simulation of motor drives for pumping applications

Gevorkov, Levon; Bakman, Ilja; Vodovozov, Valery PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 203-208 : ill

Hardware-in-the-loop simulator of a flow control system for centrifugal pumps

Gevorkov, Levon; Vodovozov, Valery; Lehtla, Tõnu; Raud, Zoja 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 472-477 : ill <https://doi.org/10.1109/CPE.2016.7544234>

Hardware-in-the-loop simulator of vessel electric propulsion drive

Vodovozov, Valery; Raud, Zoja; Bakman, Ilja; Lehtla, Tõnu; Gevorkov, Levon 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 425-430 : ill <http://dx.doi.org/10.1109/CPE.2015.7231113>

Heating system return temperature effect on heat pump performance

Maivel, Mikk; Kurnitski, Jarek Energy and buildings 2015 / p. 71-79 : ill

High-level decision diagram based fault models for targeting FSMs

Raik, Jaan; Ubar, Raimund-Johannes; Viilukas, Taavi 9th EUROMICRO Conference on Digital Systems Design : Architectures, Methods and Tools (DSD 2006) : 30 August 2006-1 September 2006, Cavtat near Dubrovnik, Croatia : proceedings 2006 / p. 353-358 : ill <http://dx.doi.org/10.1109/DSD.2006.60>

Hourly test reference weather data in the changing climate of Finland for building energy simulations

Jylhä, Kirsti; Ruosteenoja, Kimmo; **Kalamees, Targo** Data in brief 2015 / p. 162-169 : ill <http://dx.doi.org/10.1016/j.dib.2015.04.026>

House thermal behaviour simulation with CoCoViLa

Spitšakova, Margarita Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 125-128 : ill

How can agents help in designing complex systems?

Taveter, Kuldar; Meriste, Merik Journal of telecommunication, electronic and computer engineering 2017 / p. 1-8 : ill <http://journal.utem.edu.my/index.php/jtec/issue/view/140>

Hybrid built-in self-test : methods and tools for analysis and optimization of BIST = Sisseehitatud hübriidne isetestimine : meetodid ja vahendid analüüsiks ning optimeerimiseks

Orasson, Elmet 2007 https://www.ester.ee/record=b2305436*test

Implementation of focused guided waves to locate axial defects in pipes

Fletcher, Sam; Lowe, Michael John Stewart; **Ratassepp, Madis**; Brett, C. Review of progress in quantitative nondestructive evaluation. Volume 29 2010 / p. 223-230 <https://doi.org/10.1063/1.3362398>

Importance of safety-learning elements in management system of nursing homes in Estonia

Sepp, Jaana INTED 2017 : 11th International Technology, Education and Development Conference : 6-8 March, 2017, Valencia (Spain) : conference proceedings 2017 / p. 5426-5436 <http://dx.doi.org/10.21125/inted.2017.1264>

Improvement of automotive service management by means of computer simulation

Makarova, Irina; **Pashkevich, Anton**; Buyvol, Polina; Mavrin, Vadim; Abeshev, Kuanysh; Shubenkova, Ksenia Transportation research procedia 2020 / P. 160–167 <https://doi.org/10.1016/j.trpro.2020.02.023> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

Indoor climate problems in apartment and school buildings

Mikola, Alo; Kõiv, Teet-Andrus Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / p. 1754-1764 : ill

Integrated optimal planning of product family and manufacturing technology of its components

Küttner, Rein; Karjust, Kristo; Pohlak, Meelis Advances in Manufacturing Technology - XX : proceedings of the 4th International Conference on Manufacturing Research (ICMR2006) : Liverpool John Moores University, UK, 5th-7th September 2006 2006 / p. 55-60 : ill

Interactive virtual world models for crisis preparedness - better than the real thing?

Havlik, Denis; Engelbach, Wolf; Erlich, Marc; **Meriste, Merik** The International Emergency Management Society -TIEMS- : Evolving Threats and Vulnerability Landscape : New Challenges for the Emergency Management : proceedings of the International Emergency Management Society (TIEMS), 22nd TIEMS Annual Conference, Rome, Italy, September 30 - October 2, 2015 2015 / [11] p <http://publica.fraunhofer.de/documents/N-374904.html>

Interfaces in micromorphic materials : wave transmission and reflection with numerical simulations

Berezovski, Arkadi; Giorgio, Ivan; Della Corte, Alessandro Mathematics and mechanics of solids 2016 / p. 37-51 : ill <https://doi.org/10.1177/1081286515572244>

Investigation of electrical characteristics of SiC based complementary JBS structures

Kurel, Raido 2005 https://www.ester.ee/record=b2053292*est

Investigation of heat transfer between neighbouring apartments

Hamburg, Anti; Thalfeldt, Martin; Kõiv, Teet-Andrus; Mikola, Alo The 9th International Conference "Environmental Engineering" : 22-23 May 2014, Vilnius, Lithuania : selected papers 2014 / p. 1-6 : ill

Learning business through simulation games. Survey among students who played developed games

Õun, Kandela; Mägi, Merle; **Noppel, Airi** Perspectives on computer gaming in higher education 2016 / p. 89-102 : ill

Limitations in using additional delays for linearity improvement of phase-frequency detectors

Paavle, Toivo Raadiotehnika 2001 : VIII rahvusvahelise telekommunikatsioonipäeva materjalid 2001 / lk. 115-120 : ill

A live virtual simulator for teaching cybersecurity to information technology students

Ernits, Margus; Kikkas, Kaido Learning and Collaboration Technologies : Third International Conference, LCT 2016, held as part of HCI International 2016, Toronto, ON, Canada, July 17-22, 2016 : proceedings 2016 / p. 474-486 : ill http://dx.doi.org/10.1007/978-3-319-39483-1_43

Low temperature radiator heating system detailed dynamic simulation - distribution and emission efficiency

Maivel, Mikk; Kurnitski, Jarek Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013

Machine cell modeling and monitoring

Karaulova, Tatjana; Papstel, Jüri; Otto, Tauno Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 92-95 : ill

Measurement and simulations of air pressure in a two-storey detached house and in a five-storey apartment building

Kalamees, Targo; Jokisalo, Juha; **Kurnitski, Jarek**; Vinha, Juha IEA-Annex 41 MOIST-ENG, working meeting : Florianopolis (Brazil), 16-18 April, 2007 2007 / [8] p <https://bwk.kuleuven.be/bwf/projects/annex41/protected/data/TTU%20Apr%202007%20Paper%20A41-T3-EE-07-2.pdf>

MEC - tiptasemel laevaehituslik projekteerimisettevõtte siinsamas Eestis

Niit, Jane Paat & Meremees 2016 / lk. 74-75 : ill

Methods for dividing reactive power between generators to minimize onsite power losses

Andreesen, Guido 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2022 / p. 69-70 : ill https://www.ester.ee/record=b5457278*est

Methods for improving the accuracy and efficiency of fault simulation in digital systems = Meetodid digitaalsüsteemide rikete simuleerimise täpsuse ja efektiivsuse tõstmiseks

Kõusaar, Jaak 2019 <https://digi.lib.ttu.ee/i/?11667>

Milleks ja kuidas katsetada laevu?

Hartikainen, Anni Paat & Meremees 2016 / lk. 30 http://www.ester.ee/record=b4471304*est

Mixed pressure control system for a centrifugal pump

Gevorkov, Levon; Vodovozov, Valery 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 364-369 : ill <https://doi.org/10.1109/CPE.2017.7915198>

Modeling and analysis of pumping motor drives in hardware-in-the-loop environment

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja Journal of power and energy engineering 2014 / p. 19-27 : ill

Modeling and simulation of dual clutch transmission and hybrid electric vehicles

Abouelkheir, Moustafa; Vu, Trieu Minh Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 168-174 : ill <http://innomet.ttu.ee/daaam/>

Modeling of demand side management scenarios in apartment buildings

Vill, Kaija; Rosin, Argo; Lehtla, Madis PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 113-118 : ill <https://doi.org/10.1109/PQ.2016.7724099>

Modeling the dynamics of lung tissue with pulsating blood-flow in pulmonary arteries for bioimpedance simulation

Gordon, Rauno; Annus, Paul International Workshop on Impedance Spectroscopy : IWIS 2013 : abstract book : September 25-27, 2013, Chemnitz University of Technology, Germany 2013 / p. 94-65 : ill

Modeling water supply system control system algorithms

Sunela, Markus; **Puust, Raido** Procedia engineering 2015 / p. 734-743 : ill <http://dx.doi.org/10.1016/j.proeng.2015.08.927>

Modelleerimistarkvara "Simulant" : kirjeldus ja juhend

1993 https://www.ester.ee/record=b1064405*est

Modelling and simulation of human lower-limb motion

Žigailov, Sergei; Musalimov, Victor; Arjassov, Gennadi; Penkov, Igor International review on modelling and simulations (IREMOS) 2016 / p. 114-123 : ill <https://doi.org/10.15866/iremos.v9i2.8358>

Modelling of cardiac dynamics and intracardiac bioimpedance = Südame dünaamika ja südamesisese bioimpedantsi modelleerimine

Gordon, Rauno 2007 <https://digi.lib.ttu.ee/i/?147>

Modelling of structural damage and environmental consequences of tanker grounding

Tabri, Kristjan; Aps, Robert; Mazaheri, Arsham; Heinvee, Martin; Jönsson, Anette; Fetissov, Mihhail Analysis and design of marine structures : proceedings of the 5th International Conference on Marine Structures (MARSTRUCT 2015), Southampton, UK, 25-27 March 2015 2015 / p. 703-710 : ill

Modified winding function analysis of synchronous reluctance motor for design iteration purposes

Naseer, Muhammad Usman 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 37-38 : ill https://www.ester.ee/record=b5457278*est

Motion control of vectored thrust aerial vehicle for enhanced situational awareness

Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein Mathematical applications in science and mechanics : [proceedings of the conferences : Dubrovnik, Croatia, June 25-27, 2013] 2013 / p. 59-64 : ill

Multi-level fault simulation of digital systems on decision diagrams

Ubar, Raimund-Johannes; Raik, Jaan; Ivask, Eero; Brik, Marina The First IEEE International Workshop on Electronic Design, Test and Applications : DELTA 2002, 29-31 January 2002, Christchurch, New Zealand : proceedings 2002 / p. 86-91 : ill

A multi-perspective methodology for agent-oriented business modelling and simulation

Taveter, Kuldar 2004 http://www.ester.ee/record=b1910546*est

Multi-pole modeling and intelligent simulation of technical chain systems (Part 1)

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 458-463 : ill

Multi-pole modeling and intelligent simulation of technical chain systems (Part 2)

Grossschmidt, Gunnar; Harf, Mait Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 464-471 : ill

Multi-pole modeling and simulation of an electro-hydraulic servo-system in an intelligent programming environment

Harf, Mait; Grossschmidt, Gunnar International journal of fluid power 2016 / p. 1-13 : ill
<http://dx.doi.org/10.1080/14399776.2015.1110093>

NAP2 user's manual

1988 https://www.eester.ee/record=b1232355*est

Newton observer for a nonlinear flux-controlled AMB system

Mystkowski, Arkadiusz; Kotta, Ülle; Kaparin, Vadim Proceedings of the Estonian Academy of Sciences 2018 / p. 61-72 : ill
<https://doi.org/10.3176/proc.2018.1.03> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel multi-hop body-to-body routing protocol for disaster and emergency networks

Ben Arbia, Dhafer; Alam, Muhammad Mahtab; Attia, Rabah; Ben Hamida, Elyes 2016 International Conference on Wireless Networks and Mobile Communications (WINCOM'2016) : October 26-29, 2016 Fez, Morocco 2016 / p. 1-7 : ill
<https://doi.org/10.1109/WINCOM.2016.7777222>

Numerical aspects of the development of quantum cascade laser simulation software

Reeder, Reeno; Udal, Andres; Velme, Enn; Valavanis, Alexander BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 37-40 : ill

Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon

Kaur, Katrin; Laanearu, Janek; Annus, Ivar IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill
<https://doi.org/10.1088/1757-899X/251/1/012128>

Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon : [conference paper]

Kaur, Katrin; Laanearu, Janek; Annus, Ivar 3rd International Conference "Innovative Materials, Structures and Technologies" : Riga, Latvia, 27-29 September 2017 : [abstracts] 2017 / p. 78

Obtaining better metrics for complex serious games within virtualised simulation environments

Mäses, Sten; Hallaq, Bil; Maennel, Olaf Manuel 11th European Conference on Games Based Learning (ECGBL 2017) : Graz, Austria, 5 - 6 October 2017 2017 / p. 428-434 : ill <http://www.scopus.com/inward/record.uri?eid=2-s2.0-85036459293&partnerID=40&md5=2ba817e29bec893e126f50a3d4ede83c>

Office building tenants' electricity use model for building performance simulations

Ferrantelli, Andrea; Kuivjõgi, Helena; Kurnitski, Jarek; Thalfeldt, Martin Energies 2020 / art. 5541
<https://doi.org/10.3390/en13215541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the Mindlin microelasticity in one dimension

Berezovski, Arkadi Mechanics research communications 2016 / p. 60-64 : ill <http://dx.doi.org/10.1016/j.mechrescom.2016.09.005>

An online platform for rapid oil outflow assessment from grounded tankers for pollution response

Tabri, Kristjan; Heinvee, Martin; Laanearu, Janek; Kollo, Monika; Goerlandt, Floris Marine pollution bulletin 2018 / p. 963-976 : ill
<https://doi.org/10.1016/j.marpolbul.2018.06.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Open-source software for modeling and analysis of power networks in the dq0 reference frame

Levron, Yoash; Belikov, Juri 2017 IEEE Manchester PowerTech (PowerTech 2017) : Manchester, United Kingdom, 18-22 June 2017 2017 / p. 623-628 : ill <https://doi.org/10.1109/PTC.2017.7980912>

Optimization of lift force of mini quadrotor helicopter by changing of gap size between rotors

Aleksandrov, Dmitri; Penkov, Igor Mechatronic systems and materials IV 2013 / p. 226-231 : ill

Optimization of radiators, underfloor and ceiling heater towards the definition of a reference ideal heater for energy efficient buildings

Ferrantelli, Andrea; Vösa, Karl-Villem; Kurnitski, Jarek Applied sciences 2018 / art. 2477, 22 p. : ill

Parallel critical path tracing fault simulation in sequential circuits

Kõusaar, Jaak; Ubar, Raimund-Johannes; Kostin, Sergei; Devadze, Sergei; Raik, Jaan Proceedings of 25th International Conference MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS : MIXDES 2018 : Gdynia, Poland, June 21–23, 2018 2018 / p. 305-310 : ill <https://doi.org/10.23919/MIXDES.2018.8436880>

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

Performance analysis of a flexible manufacturing system (FMS)

Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard Procedia CIRP 2017 / p. 424-429 : ill <https://doi.org/10.1016/j.procir.2017.03.123>

Permanent magnet synchronous machine control performance and analysis for environment-friendly electric vehicle applications

Sardar, Muhammad Usman; Yaqoob, Muhammad; Akbar, Siddique; Shah, Syed Imran Ahmad; Shahid, Muhammad Usama; Mutloob, Tayyaba Engineering Proceedings 2023 / art. 7, p. 1–6 <https://doi.org/10.3390/engproc2023046007>

Planning and simulation of percutaneous cryoablation

Dodi, Riccardo; Ferraguti, Federica; Ristolainen, Asko AASRI procedia 2014 / p. 118-122 : ill

Pooljuhtkomponentide simuleerimine arvutil : laboratoorse töö juhend

2003 http://www.ester.ee/record=b1766958*est

Production intralogistics automation based on 3D simulation analysis

Mahmood, Kashif; Karjust, Kristo; Raamets, Tõnis Journal of machine engineering 2021 / p. 102-115 : ill <https://doi.org/10.36897/jme/137081> [Journal metrics at Scopus](#) [Article at Scopus](#)

Real time water supply system hydraulic and quality modeling - a case study

Sunela, Markus; Puust, Raido Procedia engineering 2015 / p. 744-752 : ill

Response of water temperature to surface wave effects in the Baltic Sea : simulations with the coupled NEMO-WAM model

Alari, Victor; Staneva, Joanna; Breivik, Øyvind Geophysical research abstracts 2016 / p. EGU2016-4363

ROS middle-layer integration into Unity3D as an interface option for propulsion drive simulations of autonomous vehicles

Kuts, Vladimir; Rassõlkin, Anton; Jegorov, Sergei; Rjabtšikov, Viktor Proceedings of the Estonian Academy of Sciences 2021 / p. 392-398 : ill <https://doi.org/10.3176/proc.2021.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Saaremaa (Õsel) deep harbour layout design and computer simulation of the wave hindcast and sediment transport problems

Liiv, Toomas; Liiv, Uno "Environmental Impact and Water Management in a Catchment Area Perspective" : 24-26 September, 2001, Tallinn, Estonia : proceedings of the Symposium dedicated to the 40th Anniversary of Institute of Environmental Engineering at Tallinn Technical University 2001 / p. 247-249

Safety assessment and simulation of autonomous vehicle in urban environments

Malayjerdi, Mohsen; Baykara, Baris Cem; Sell, Raivo; Malayjerdi, Ehsan IOP conference series : materials science and engineering 2021 / art. 012032, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012032>

Scalable medical viewer for virtual reality environments

Ricciardi, Francesco; Pastorelli, Emiliano; De Paolis, Lucio Tommaso; Hermann, Heiko Augmented and Virtual Reality : second International Conference, AVR 2015, Lecce, Italy, August 31 - September 3, 2015 : proceedings 2015 / p. 233-243 : ill http://dx.doi.org/10.1007/978-3-319-22888-4_17

Semi-natural simulation of pumping systems

Gevorkov, Levon 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 129-134 : ill

Shared Structurally Synthesized BDDs for speeding-up parallel pattern simulation in digital circuits

Ubar, Raimund-Johannes; Jürimägi, Lembit; Raik, Jaan 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [4] p. : ill <http://dx.doi.org/10.1109/NORCHIP.2015.7364406>

Ship collision simulations using different fracture criteria and mesh size

Kõrgesaar, Mihkel; Tabri, Kristjan; Naar, Hendrik; Reinhold, Edvin Proceedings of the ASME 2014 33rd International Conference on Ocean, Offshore and Arctic Engineering : OMAE2014 : June 8-13, 2014, San Francisco, California, USA 2014 / p. 1-9 : ill

Short-time chirp excitations for using in wideband characterization of objects: an overview

Paavle, Toivo; Min, Mart; Ojarand, Jaan; Parve, Toomas 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. 253-256 : ill

A simplified approach to predict the bottom damage in tanker grounding

Heinvee, Martin; Tabri, Kristjan; Kõrgesaar, Mihkel Collision and grounding of ships and offshore structures : proceedings of the 6th International Conference, ICCGS, Trondheim, Norway, 17-19 June 2013 2013 / p. 161-169 : ill

Simulating system for minicomputer diagnostic programs

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

Simulating System of Systems using MACE

Tomson, Timo; Preden, Jürjo-Sören UKSim 15th International Conference on Computer Modelling and Simulation : 10-12 April 2013, Cambridge, United Kingdom : proceedings 2013 / p. 155-160 : ill

Simulation methods for 3x3 matrix converter

Sokolovs, Alvis; Galkin, Ilja; Krievs, Oskars; Laugis, Juhan EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 822-827 : ill. [CD-ROM]

Simulation of a simple control strategy for a common 3X3 matrix converter

Sokolovs, Alvis; Galkin, Ilja; Laugis, Juhan 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 40-44 : ill

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 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 real time electricity price based energy management system [Online resource]

Lebedev, Denis; Rosin, Argo; Kütt, Lauri Proceedings of the IECON2016 - 42nd Annual Conference of the Industrial Electronics Society : Florence (Italy), October 24-27, 2016 2016 / p. 2106-2110 : ill <https://doi.org/10.1109/IECON.2016.7793991>

Simulation of semiconductor components on PC-s : instruction for laboratory work

Kurel, Raido 2003 http://www.ester.ee/record=b1766967*est

Simulation study of different modulation techniques for three-level quasi-Z-source inverter

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvija : [abstracts] 2012 / p. 120 : ill <https://intapi.sciendo.com/pdf/10.2478/v10314-012-0002-3>

Simulation study of the pressure control system for a centrifugal pump [Online resource]

Gevorkov, Levon; Vodovozov, Valery; Raud, Zoja 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763086>

Simulation-based hardware verification with high-level decision diagrams = Simuleerimisel põhinev riistvara verifitseerimine kõrgtaseme otsustusdiagrammidel

Jenihhin, Maksim 2008 https://www.ester.ee/record=b2431332*est

Simulation-based verification with APRICOT framework using high-level decision diagrams

Jenihhin, Maksim; Raik, Jaan; Tšepurov, Anton; Ubar, Raimund-Johannes East-West Design & Test Symposium : Moscow, September 18-21, 2009 2009 / p. 13-16 : ill

Simulations in multi-agent communication system = Simulatsioonid multiagentsüsteemis

Kimlaychuk, Vadim 2012 https://www.ester.ee/record=b2869082*est

Simulations tool for crisis management strategies and planned actions V2 [Electronic resource]

Taveter, Kuldar; Scholl, Martin; Schlobinski, Sascha; **Ma, Lixin**; **Meriste, Merik** 2014
http://www.crismaproject.eu/deliverables/CRISMA_D443_public.pdf

Software technology for cyber security simulations = Tarkvaratehnika küberturbe simulatsioonide jaoks

Ojamaa, Andres 2016 http://www.ester.ee/record=b4640099*est

Solar envelope optimization method for complex urban environments

De Luca, Francesco CAADence in architecture : back to command : proceedings of the International Conference on Computer Aided Architectural Design : 16-17 June 2016, Budapest, Hungary, Faculty of Architecture, Budapest University of Technology and Economics. 2nd ed 2016 / p. 195-201 : ill <http://dx.doi.org/10.3311/CAADence.1657>

Solving nonlinear PDEs using the higher order Haar wavelet method on nonuniform and adaptive grids

Ratas, Mart; **Salupere, Andrus**; **Majak, Jüri** Mathematical modelling and analysis 2021 / p. 147-169
<https://doi.org/10.3846/mma.2021.12920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Statistics for long irregular wave run-up on a plane beach from direct numerical simulations

Didenkulova, Irina; Senichev, Dmitry; Dutykh, Denys Geophysical research abstracts 2017 / p. EGU2017-19133

Statistics of Lagrangian transport reveals hidden features of velocity fields

Soomere, Tarmo Preventive methods for coastal protection : towards the use of ocean dynamics for pollution control 2013 / p. 283-318 : ill

Stepper motor based model of electric drive for throttle valve

Gevorkov, Levon; Šmidl, Václav; Sirový, Martin Proceedings of the 29th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 24-27th October 2018, Zadar, Croatia 2018 / p. 1102-1107 : ill <https://daaam.info/29th-proceedings-2018/>
<http://dx.doi.org/10.2507/29th.daaam.proceedings.157>

Structurally synthesized multiple input BDDs for simulation of digital circuits

Ubar, Raimund-Johannes; Mironov, Dmitri; **Raik, Jaan**; **Jutman, Artur** 16th IEEE International Conference on Electronics, Circuits, and Systems, ICECS 2009 : Yasmine Hammamet, Tunisia, 13-19 December, 2009 2009 / p. 451-454 : ill
<http://dx.doi.org/10.1109/ICECS.2009.5410895>

Success factors for designing a cybersecurity exercise on the example of incident response

Mäses, Sten; **Maennel, Kaie**; Toussaint, Mascia; Rosa, Veronica 2021 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW) 2021 / p. 259-268 <https://doi.org/10.1109/EuroSPW54576.2021.00033>

Summer thermal comfort : compliance assessment and overheating prevention in new apartment buildings in Estonia

Simson, Raimo; **Kurnitski, Jarek**; **Maivel, Mikk** Journal of building performance simulation 2017 / p. 378-391 : ill
<http://dx.doi.org/10.1080/19401493.2016.1248488>

Summer thermal comfort compliance assessment in apartment buildings

Simson, Raimo; **Kurnitski, Jarek**; **Maivel, Mikk**; **Kalamees, Targo** Healthy Buildings 2015 : Eindhoven, The Netherlands, May 18-20, 2015 [Electronic resource] 2015 / p. 1-8 : ill. [USB]

A tabulated sizing method for the early stage design of geothermal energy piles including thermal storage

Ferrantelli, Andrea; **Fadejev, Jevgeni**; **Kurnitski, Jarek** Energy and buildings 2020 / art. 110178
<https://doi.org/10.1016/j.enbuild.2020.110178> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Target tracking by neural predictive control of autonomous surface vessel for environment monitoring and cargo transportation applications

Astrov, Igor; **Udal, Andres**; **Roasto, Indrek**; **Mölder, Heigo** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 4 p <https://doi.org/10.1109/BEC49624.2020.9277115>

Test configurations for diagnosing faulty links in NoC switches

Raik, Jaan; **Ubar, Raimund-Johannes**; **Govind, Vineeth** 12th IEEE European Test Symposium ETS 2007 : 20-24 May 2007, Freiburg, Germany : proceedings 2007 / p. 29-34 : ill <http://dx.doi.org/10.1109/ETS.2007.41>

The effect of low stress triaxialities and deformation paths on ductile fracture simulations of large shell structures

Körgeaar, Mihkel Marine structures 2019 / p. 45-64 : ill <https://doi.org/10.1016/j.marstruc.2018.08.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of thermal transmittance of building envelope and material selection of wind barrier on moisture safety of timber frame exterior wall

Pihelo, Peep; Kalamees, Targo Journal of building engineering 2016 / p. 29-38 : ill <http://dx.doi.org/10.1016/j.jobee.2016.02.002>

The possibilities to improve local electrical power grid : case of TUT campus [Electronic resource]

Astapov, Victor; Palu, Ivo 2016 17th International Scientific Conference on Electric Power Engineering (EPE) : proceedings 2016 / [5] p. : ill. [USB] <https://doi.org/10.1109/EPE.2016.7521793>

Theoretical development and computer simulation of a bioimpedance measurement system

Paavle, Toivo Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 198-208

3D parallel fault simulation

Gorev, Maksim; Ubar, Raimund-Johannes Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 39-42 : ill

3D RANS-RSTM numerical simulation of channel turbulent particulate flow with wall roughness

Kartušinski, Aleksander; Rudi, Ülo; Stock, David; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei 11th International Conference on Numerical Analysis and Applied Mathematics 2013 : ICNAAM-2013 : Rhodes, Greece, 21-27 September 2013 2013

3D visualization and simulation of intra-logistics for manufacturing

Mahmood, Kashif 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 21-22 : ill https://www.ester.ee/record=b5291755*est

Training support for crisis managers with elements of serious gaming

Havlik, Denis; Deri, Oren; **Rannat, Kalev**; Warum, Manuel; Rafalowski, Chaim; **Taveter, Kuldar**; Kutschera, Peter; **Meriste, Merik** 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. 217-225 : ill http://dx.doi.org/10.1007/978-3-319-15994-2_21

Ultra fast parallel fault analysis on structurally synthesized BDDs

Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan; Jutman, Artur 12th IEEE European Test Symposium ETS 2007 : 20-24 May 2007, Freiburg, Germany : proceedings 2007 / p. 131-136 : ill <http://dx.doi.org/10.1109/ETS.2007.43>

Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines

Belahcen, Anouar; Rasilo, Paavo; Nguyen, Thu-Trang; Clénet, Stephane COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 624-636 : ill <http://dx.doi.org/10.1108/COMPEL-10-2014-0271>

Using multi-pole modeling and intelligent simulation in design of a hydraulic drive

Harf, Mait; Grossschmidt, Gunnar The 14th International Conference on Modeling and Applied Simulation, MAS 2015 : September 21-23 2015, Bergeggi, Italy : proceedings 2015 / p. 89-95 <http://www.scopus.com/inward/record.url?eid=2-s2.0-84960887645&partnerID=40&md5=fda00b9d82183bf4f2361f9f0e6f4237>

Using simulation statistics for bug localization in RTL designs

Tihomirov, Valentin; Jenihhin, Maksim; Raik, Jaan Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 107-110 : ill

Validated simulation tool for crisis management strategies and planned actions [Electronic resource]

Taveter, Kuldar; Meriste, Merik; Rannat, Kalev; Jähi, Markus; Dihe, Pascal; Scholl, Martin; Guarino, Sergio 2015 http://www.crismaproject.eu/deliverables/CRISMA_D444_public.pdf

Validation of a transient zonal model to predict the detailed indoor thermal environment : Case of electric radiators and wood stoves

Georges, Laurent; **Thalfeldt, Martin**; Skreiberg, Øyvind; Fornaric, W. Building and environment 2019 / p. 169–181 : ill <http://dx.doi.org/10.1016/j.buildenv.2018.12.020>

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D

Pesti, Ksenija; Kõiv, Hip; Gordon, Rauno The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D

Pesti, Ksenija; Kõiv, Hip; Gordon, Rauno International journal of bioelectromagnetism 2015 / p. 57-63 : ill

Verification and error correction on High-Level Decision Diagrams

Karputkin, Anton 2013

Verification of machine learning modelling strategy in microgrid simulations

Häring, Tobias 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 79-80 : ill https://www.ester.ee/record=b5457278*est

Virtual mapping of reference conditions of pollutant load in waterbodies : phosphorus in the Lake Peipsi basin

Piirimäe, Kristjan; Loigu, Enn; Pachel, Karin; Iital, Arvo Boreal environment research 2015 / p. 391-402 : ill
<http://www.borenv.net/BER/pdfs/ber20/ber20-391.pdf>

Virtual simulations environment development for autonomous vehicles interaction

Malayjerdi, Mohsen; Kuts, Vladimir; Sell, Raivo; Otto, Tauno; Baykara, Baris Cem ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23362, V02BT02A009; 5 p <https://doi.org/10.1115/IMECE2020-23362>

Work-cells concept development for high mix low volume market conditions

Karaulova, Tatjana; Ševtšenko, Eduard Procedia engineering 2015 / p. 90-99 : ill <http://dx.doi.org/10.1016/j.proeng.2015.01.346>