

A model-driven architecture of enterprise information system as the space for Information Systems Development

Roost, Mart; Kuusik, Rein, inform.; Rava, Karin; Veskioja, Tarmo CAiSE'04 Forum proceedings : the 16th Conference on Advanced Information Systems Engineering : Riga, Latvia, 7-11 June, 2004 2004 / p. 194 : ill

A quantity : a simple example of software development with domain analysis

Piho, Gunnar Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 73-76 : ill

An aspect-oriented technique to model-based test design

Sarna, Külli Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 77-80

Aspect-oriented model-based testing = Aspekt-orienteeritud mudeli-põhine testimine

Sarna, Külli 2018 <https://digi.lib.ttu.ee/i/?11065>

Bridging the gap in technology transfer for advanced process control with industrial applications

Vansovitš, Vitali; Petlenkov, Eduard; Tepļakov, Aleksei; Vassiljeva, Kristina; Belikov, Juri Sensors 2022 / art. 4149
<https://doi.org/10.3390/s22114149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of deep learning models for multivariate prediction of time series wind power generation and temperature

Mishra, Sambeet; Bordin, Chiara; Taharaguchi, Kota; Palu, Ivo Energy reports 2020 / p. 273-286
<https://doi.org/10.1016/j.egy.2019.11.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cyber contingencies impacts analysis in cyber physical power system

Chen, Keren; Wen, Fushuan; Palu, Ivo IEEE International Conference on Energy Internet : ICEI 2019, Nanjing, China, 27-31 May, 2019 : proceedings 2019 / p. 37-41 : ill <http://doi.org/10.1109/ICEI.2019.00013>

Digital twin of an electrical motor based on empirical performance model

Rassõlkin, Anton; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Kuts, Vladimir; Partyshev, Andriy 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 11-14 : ill
<https://doi.org/10.1109/ICEPDS47235.2020.9249366>

DTRON : a tool for distributed model-based testing of time critical applications

Anier, Aivo; Vain, Jüri; Tsiopoulos, Leonidas Proceedings of the Estonian Academy of Sciences 2017 / p. 75-88 : ill
<https://doi.org/10.3176/proc.2017.1.08> http://www.eester.ee/record=b2355998*est

Energy-efficient multi-fragment Markov model guided online model-based testing for MPSoC

Vain, Jüri; Tsiopoulos, Leonidas; Kharchenko, Vyacheslav; Apneet Kaur; Jenihhin, Maksim; Raik, Jaan; Nömm, Sven Green IT Engineering: Social, Business and Industrial Applications 2019 / p. 273-297 https://doi.org/10.1007/978-3-030-00253-4_12 [Article collection at Scopus](#) [Article at Scopus](#)

An EV-traction inverter data-driven modelling for digital twin development

Ibrahim, Akram Abdalla Mohammed; Raja, Hadi Ashraf; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 5 p <https://doi.org/10.1109/EPE58302.2023.10149230>

An experiment : using Google Translate and semantic mirrors to create synsets with many lexical units

Lohk, Ahti; Tombak, Mati; Vare, Kadri Proceedings of the 9th Global WordNet Conference : GWC 2018, January 8-12, 2018, Singapore 2018 / p. 328-332 <http://doi.org/10.1109/EmpIRE.2018.00012>

Feature matching in model-based software engineering

Raabe, Alar ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14-17, 2004 2004 / p. 163-172 https://link.springer.com/chapter/10.1007/1-4020-3675-2_23

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>

Formal specification of block libraries in dataflow languages

Dieumegard, Arnaud; Toom, Andres; Pantel, Marc 7th European Congress Embedded Real-Time Software and Systems, ERTS2 2014 : 5-7 February 2014, Toulouse, France : proceedings 2014 / [10] p. : ill

Galois sub-hierarchies used for use case modeling

Torim, Ants CLA 2013 : proceedings of the Tenth International Conference on Concept Lattices and Their Applications : La Rochelle, France, October 15-18, 2013 2013 / p. 21-32 : ill

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

Implementation and evaluation of the DAOM framework and tool support for designing blockchain decentralized applications

Udokwu, Chibuzor; Brandtner, Patrick; **Norta, Alexander**; **Kormiltsyn, Alexandr**; Matulevičius, Raimundas International journal of law and information technology 2021 / p. 2245–2263 : ill <https://doi.org/10.1007/s41870-021-00816-6> [Journal metrics at Scopus](#) [Article at Scopus](#)

Küberpättide nõrkuseks võivad osutuda end tõestanud ärimudelid [Võrguväljaanne]

Sõmer, Tiia novaator.err.ee 2022 ["Küberpättide nõrkuseks võivad osutuda end tõestanud ärimudelid"](#)

Learning timed automata from interaction traces

Vain, Jüri; **Kanter, Gert**; **Anier, Aivo** IFAC-PapersOnLine 2019 / p. 205-210 <https://doi.org/10.1016/j.ifacol.2019.12.097> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A model and system for an integrated analysis of the iterative life cycle of university-industry partnerships

Kaklauskas, Arturas; Amaratunga, Dilanthi; Haigh, Richard; Binkyte, A.; Lepkova, Natalija; Survila, A.; **Lill, Irene** Procedia engineering 2018 / p. 270-277 <https://doi.org/10.1016/j.proeng.2018.01.035> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Model based Test framework for communications-critical internet of things systems

Pal, Deepak; **Vain, Jüri** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 79-94 https://www.eester.ee/record=b5203991*est <https://doi.org/10.3233/978-1-61499-941-6-79> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Model transformations in the Gene-Auto Automatic Code Generation

Toom, Andres; **Näks, Tõnu** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 126-129 : ill

A model-based adaptive control of an autonomous driving car for lane change maneuver

Astrov, Igor; **Udal, Andres**; **Jaanus, Martin** 2021 44th International Convention on Information, Communication and Electronic Technology (MIPRO), September 27 - October 1, 2021, Opatija, Croatia : proceedings 2021 / p. 1330-1335 : ill <http://www.mipro.hr/LinkClick.aspx?fileticket=RAMnkK6T5UQ%3d&tabid=196&language=hr-HR> <https://doi.org/10.23919/MIPRO52101.2021.9597195>

A model-based approach for design and verification of Industrial Internet of Things

Muthukumar, Natarajan; Srinivasan, Seshadri; Ramkumar, Kannan; **Pal, Deepak**; **Vain, Jüri**; Ramaswamy, Srini Future generation computer systems 2019 / p. 354-363 : ill <https://doi.org/10.1016/j.future.2018.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model-based integration testing of ROS packages : a mobile robot case study

Ernits, Juhan-Peep; **Halling, Evelin**; **Kanter, Gert**; **Vain, Jüri** 2015 European Conference on Mobile Robots : Lincoln, United Kingdom, September 2-4, 2015 : conference proceedings 2015 / [7] p. : ill <http://dx.doi.org/10.1109/ECMR.2015.7324210>

Model-based testing of reactive systems = Reaktiivsete süsteemide mudelipõhine testimine

Kull, Andres 2009 https://www.eester.ee/record=b2539853*est

Model-based testing of real-time distributed systems = Reaalaja hajussüsteemide mudelipõhine testimine

Pal, Deepak 2020 https://www.eester.ee/record=b5389209*est <https://digikogu.taltech.ee/et/Item/b919afec-e786-4e14-9918-7d8db3b20cfe>

Mudelipõhine testimine

Kull, Andres Tallinna Tehnikaülikooli aastaraamat 2010 2011 / lk. 115-118

Mudelipõhine testimine : kas teoreetikute näpuharjutus või testimise homme päev?

Markvardt, Maili A & A 2010 / 3, lk. 48-56 https://artiklid.elnet.ee/record=b2183739*est

Numerical study on the structural behavior of intact and damaged box beams under four-point bending load

Putranto, Teguh; **Kõrgesaar, Mihkel** Developments in the Collision and Grounding of Ships and Offshore Structures : Proceedings

of the 8th International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2019), 21-23 October, 2019, Lisbon, Portugal 2019 / p. 139–143 <https://www.taylorfrancis.com/books/e/9781003002420/chapters/10.1201/9781003002420-17>

Olukorrateadliku käitumise matkimine otsustustoes

Meriste, Merik; Rannat, Kalev; Mõtus, Leo; Teichmann, Mare; **Kelder, Tõnis; Helekivi, Jüri** Sõjateadlane 2020 / p. 177–206
https://www.ester.ee/record=b4555087*est

Power smoothing in smart buildings using flywheel energy storage

Plaum, Freddy; Häring, Tobias; Ahmadiyahangar, Roya; Rosin, Argo Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 473-477 <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161458>

Robust training of vector quantized bottleneck models

Lancucki, Adrian; Chorowski, Jan; Sanchez, Guillaume; Marxer, Ricard; Chen, Nanxin; Dolfing, Hans J.G.A.; Khurana, Sameer; **Alumäe, Tanel;** Laurent, Antoine 2020 International Joint Conference on Neural Networks (IJCNN), 19-24 July 2020, Glasgow, UK : proceedings 2020 / art. 163566 : 7 p <https://doi.org/10.1109/IJCNN48605.2020.9207145> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Scenario oriented model-based testing = Stsenaariumjuhitud mudelipõhine testimine

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

Service oriented and model-driven development methods of information systems

Lemmik, Rivo; Karjust, Kristo; Koov, Kaspar Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [Il] 2010 / p. 404-408 : ill

Supporting self-development in service oriented information systems

Roost, Mart; Rava, Karin; Veskioja, Tarmo Proceedings of the 7th WSEAS International Conference on Applied Informatics and Communications (AIC'07) : Vouliagmeni Beach, Athens, Greece, August 24-26, 2007 2007 / p. 52-57
https://www.researchgate.net/publication/229045998_Supporting_self-development_in_service_oriented_information_systems

A symbolic approach to model-based online testing = Mudelipõhine online-testimine kasutades sümbolarvutust

Kääramees, Marko 2012 http://www.ester.ee/record=b2890159*est

A systematic approach on modeling refinement and regression testing of real-time distributed systems

Pal, Deepak; Vain, Jüri IFAC-PapersOnLine 2019 / p. 1091-1096 <https://doi.org/10.1016/j.ifacol.2019.11.341> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Teaching and promoting smart internet of things solutions using the serious-game approach

Õunapuu, Enn Fusion of smart, multimedia and computer gaming technologies : research, systems and perspectives 2015 / p. 73-90 : ill

Test scenario specification language for model-based testing

Halling, Evelin; Vain, Jüri; Boyarchuk, Artem; Illiashenko, Oleg International Journal of Computing 2019 / p. 408-421 : ill
<http://www.computingonline.net/computing/article/view/1611> <https://doi.org/10.47839/ijc.18.4.1611> [Journal metrics at Scopus](#) [Article at Scopus](#)

The TalTech systems for the short-duration speaker verification challenge 2020

Alumäe, Tanel; Valk, Jörgen 21st Annual Conference of the International Speech Communication Association (INTERSPEECH 2020): Cognitive Intelligence for Speech Processing : Proceedings of a meeting held 25-29 October 2020, Shanghai, China 2020 / p. 746-750 https://www.isca-speech.org/archive/interspeech_2020/alumae20_interspeech.html <http://www.proceedings.com/56854.html>

The validation of graph model-based, gate level low-dimensional feature data for machine learning applications

Balakrishnan, Aneesh; Lange, Thomas; Glorieux, Maximilien; Alexandrescu, Dan; **Jenihhin, Maksim** 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 <https://doi.org/10.1109/NORCHIP.2019.8906974>

Timing-critical path analysis with structurally synthesized BDDs

Ubar, Raimund-Johannes; Jürimägi, Lembit; Jenihhin, Maksim; Raik, Jaan; Olugbenga, Niya-Leigh; Viies, Vladimir 2018 7th Mediterranean Conference on Embedded Computing (MECO) 2018 / 6 p. : ill <https://doi.org/10.1109/MECO.2018.8406051>

A web-based economic decision tool for abatement investments for shipping industry

Bakkar, Yassine; Robal, Tarmo; Prause, Gunnar Klaus Reliability and statistics in transportation and communication : Selected Papers from the 19th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'19, 16-19 October 2019, Riga, Latvia 2020 / p. 363–373 https://doi.org/10.1007/978-3-030-44610-9_36 [Article collection metrics at Scopus](#) [Article at Scopus](#)

