

### **Adaptability, interpretability and rule weights in fuzzy rule-based systems**

Riid, Andri; Rüstern, Ennu Information sciences 2014 / p. 301-312 : ill <https://doi.org/10.1016/j.ins.2012.12.048> Journal metrics at Scopus Article at Scopus Article at WOS

### **Archetypes based meta-modeling towards evolutionary, dependable and interoperable healthcare information systems**

Piho, Gunnar; Tepandi, Jaak; Thompson, Douglas; Tammer, Triinu; Parman, Marko; Puusep, Viljam Procedia computer science 2014 / p. 457-464 : ill <https://doi.org/10.1016/j.procs.2014.08.069> Conference proceeding at Scopus Article at Scopus Article at WOS

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

Sarna, Külli 2018 <https://digi.lib.ttu.ee/i/?11065> [https://www.ester.ee/record=b5166882\\*est](https://www.ester.ee/record=b5166882*est)

### **Automation, Simulation & Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 =**

#### **Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents**

1992 [http://www.ester.ee/record=b1064031\\*est](http://www.ester.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.ester.ee/record=b1064034\\*est](http://www.ester.ee/record=b1064034*est)

### **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>

### **Chemical plant model generator**

Aarna, Olav; Kallas, Juha; Uibo, Erik 1st IFAC/IFIP Symposium on Software For Computer Control, Tallinn, USSR, 25-28 May 1976 / p. 93-97 : ill [https://doi.org/10.1016/S1474-6670\(17\)67405-6](https://doi.org/10.1016/S1474-6670(17)67405-6)

### **CMM on suremas, elagu CMM!**

Leis, Paul A & A 2003 / 2, lk. 15-22 [https://artiklid.elnet.ee/record=b1012428\\*est](https://artiklid.elnet.ee/record=b1012428*est)

### **Comparing the modelling power of Petri nets and Q-models**

Tekko, Jaanus Artificial Intelligence in Real-Time Control 1995 : [proceedings] 1996 / 5 p <https://www.sciencedirect.com/science/article/pii/S1474667017436937>

### **Computation of open-loop frequency-domain characteristics of fractional FORDT plants with FOPID controllers**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 23-26

### **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

### **Construction of flat outputs of nonlinear discrete-time systems in a geometric and an algebraic framework**

Kolar, Bernd; Kaldmäe, Arvo; Schöberl, Markus; Kotta, Ülle; Schlacher, Kurt IFAC-PapersOnLine 2016 / p. 796-801 <https://doi.org/10.1016/j.ifacol.2016.10.263> Conference Proceedings at Scopus Article at Scopus Article at WOS

### **Design and implementation of fractional-order PID controllers for a fluid tank system**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri; Halas, Miroslav 2013 American Control Conference (ACC) : Washington, DC, USA, June 17-19, 2013 2013 / p. 1777-1782 : ill <https://doi.org/10.1109/acc.2013.6580093> Conference Proceedings at Scopus Article at Scopus

### **Digitaalsüsteemide diagnostika**

Ubar, Raimund-Johannes 2005 [http://www.ester.ee/record=b2097071\\*est](http://www.ester.ee/record=b2097071*est)

### **Digital implementation of retuning fractional controllers for an existing closed-loop magnetic levitation control system**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri 2016 39th International Conference on Telecommunications and Signal Processing : TSP : June 27-29, 2016, Vienna, Austria 2016 / p. 630-633 : ill <https://doi.org/10.1109/TSP.2016.7760958>

### **Discrete gravitational swarm optimization algorithm for system identification = Diskreetne gravitatsioonilist vastasmõju arvestav osakeste parvega optimeerimise meetod süsteemide identifitseerimiseks**

Spitšakova, Margarita 2017 <https://digi.lib.ttu.ee/i/?8449> [https://www.ester.ee/record=b4689427\\*est](https://www.ester.ee/record=b4689427*est)

### **Dynamic modeling and stability analysis of power networks using DQ0 transformations with a unified reference frame**

Belikov, Juri; Levron, Yoash Proceedings of the Estonian Academy of Sciences 2018 / p. 368-377 : ill

[http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_4/proc-2018-4-368-377.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-368-377.pdf) <https://doi.org/10.3176/proc.2018.67.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range**

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo SPIE digital library 2020 / art. 115240H-1–14

<https://doi.org/10.1117/12.2570820> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

**Efficient analog implementations of fractional-order controllers**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Proceedings of the 2013 14th International Carpathian Control Conference (ICCC) : Ryto, Hotel Perla Południa, Poland, May 26-29, 2013 2013 / p. 377-382 : ill

**EIS-i arendamisele kulub ministeeriumil 300 000 eurot aastas = Glitch-hit state school exams IT system costs ministry €300,000 a year**

Klementi, Joakim err.ee 2024 [EIS-i arendamisele kulub ministeeriumil 300 000 eurot aastas](#) [Glitch-hit state school exams IT system costs ministry €300,000 a year](#)

**Embedded system implementation of digital fractional filter approximations for control applications**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Proceedings of the 21st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2014 : Lublin, Poland, June 19-21, 2014 2014 / p. 441-445 : ill

**Evaluation of SysML software for teaching systems engineering basics**

Kruus, Helena; Jervan, Gert Proceedings of the 25th International Conference on European Association for Education in Electrical and Information Engineering : 30 May-June 2014, Cesme, Türkiye 2014 / p. 29-32 : ill

**FOMCON toolbox for modeling, design and implementation of fractional-order control systems**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Handbook of fractional calculus with applications 2019 / p. 211–236 <https://doi.org/10.1515/9783110571745>

**A formal model for automated technological system**

Kull, Arvo Analysis and synthesis of complicated systems and circuits with the aid of computers 1989 / p. 3-10

**Formal verification and error correction on high-level decision diagrams = Formaalne verifitseerimine ja vigade parandamine kõrgtasemelistel otsustusdiagrammidel**  
Karputkin, Anton 2012

**Fractional-order controller design and digital implementation using FOMCON toolbox for MATLAB**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri; Finajev, Jevgeni 2013 IEEE Conference on Computer Aided Control System Design (CACSD) : Part of 2013 IEEE Multi-Conference on Systems and Control : Hyderabad, India, August 28-30, 2013 2013 / p. 340-345 : ill

**Fractional-order digital filter approximation method for embedded control applications**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri International journal of microelectronics and computer science 2014 / p. 54-60 : ill

**Fractional-order modeling and control of dynamic systems : doctoral thesis accepted by Tallinn University of Technology, Tallinn, Estonia**

Tepljakov, Aleksei 2017 [http://www.ester.ee/record=b4744055\\*est](http://www.ester.ee/record=b4744055*est) <http://dx.doi.org/10.1007/978-3-319-52950-9>

**Fractional-order modeling and control of dynamic systems = Murrulistel tuletistel põhinev dünaamiliste süsteemide identifitseerimine ja juhtimine**

Tepljakov, Aleksei 2015 [https://www.ester.ee/record=b4494460\\*est](https://www.ester.ee/record=b4494460*est)

**Fractional-order modeling and control of ionic polymer-metal composite actuator**

Tepljakov, Aleksei; Vunder, Veiko; Petlenkov, Eduard; Nakshatharan, S Sunjai; Punning, Andres; Kaparin, Vadim; Belikov, Juri; Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From agent-oriented models to profile driven military training scenarios**

Shvartsman, Inna; Taveter, Kuldar Intelligent Distributed Computing VII : proceedings of the 7th International Symposium on Intelligent Distributed Computing - IDC 2013, Prague, Czech Republic, September 2013 2014 / p. 317-322 [https://doi.org/10.1007/978-3-319-01571-2\\_37](https://doi.org/10.1007/978-3-319-01571-2_37) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Fuzzy modelling and control of fed-batch fermentation**

Riid, Andri; Rüstern, Ennu Computational intelligence and applications 1999 / p. 283-291

**Gain and order scheduled fractional-order PID control of fluid level in a multi-tank system**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** 2014 International Conference on Fractional Differentiation and its Applications (ICFDA) : Catania, Italy, 23-25 June 2014 / [6] p. : ill

**Guest editorial : implementation issues in system-on-chip**

**Ellervee, Peeter**; Nurmi, Jari Journal of signal processing systems 2017 / p. 269-270 <https://doi.org/10.1007/s11265-017-1242-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heuristics for designing and evaluating socio-technical agent-oriented behaviour models with Coloured Petri Nets**

**Mahunnah, Msury; Norta, Alexander; Ma, Lixin; Taveter, Kuldar** IEEE 38th Annual International Computers, Software and Applications Conference Workshops : 27-29 July 2014, Västerås, Sweden : proceedings 2014 / p. 438-443 : ill

**Incorporation of fractional-order dynamics into an existing PI/PID DC motor control loop**

**Tepljakov, Aleksei**; Gonzales, Emmanuel A.; **Petlenkov, Eduard; Belikov, Juri**; Monje, Concepcion A.; Petraš, Ivo ISA transactions 2016 / p. 262-273 : ill <https://doi.org/10.1016/j.isatra.2015.11.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Informational modelling of a communication office**

**Elmik, Lea** 1992 [http://www.ester.ee/record=b1063350\\*est](http://www.ester.ee/record=b1063350*est)

**Informational modelling of a communication office : a thesis ... for the degree of doctor of philosophy**

**Elmik, Lea** 1992 [http://www.ester.ee/record=b2662725\\*est](http://www.ester.ee/record=b2662725*est)

**Integrated systems and design**

2008 [http://www.ester.ee/record=b2431612\\*est](http://www.ester.ee/record=b2431612*est)

**Integrating UML, the Q-model and a multi-agent approach in process specifications and behavioural models of organisations**

**Savimaa, Raul** Journal of systemics, cybernetics and informatics 2006 / 4, p. 45-57 <https://www.iijsci.org/journal/PDV/sci/pdfs/P843346.pdf>

**Integration of iUML-B and UPPAAL timed automata for development of real-time systems with concurrent processes**

**Shokri-Manninen, Fatima; Tsiopoulos, Leonidas; Vain, Jüri**; Walden, Marina Rigorous State-Based Methods 7th International Conference, ABZ 2020, Ulm, Germany, May 27–29, 2020 : proceedings 2020 / p. 186-202 [https://doi.org/10.1007/978-3-030-48077-6\\_13](https://doi.org/10.1007/978-3-030-48077-6_13) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Interpretability versus adaptability in fuzzy systems**

**Riid, Andri; Rüstern, Ennu** Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 76-95 : ill [https://artiklid.elnet.ee/record=b1004039\\*est](https://artiklid.elnet.ee/record=b1004039*est)

**Interstudy, May 9, 2008**

2008 [http://www.ester.ee/record=b2415385\\*est](http://www.ester.ee/record=b2415385*est)

**Journal of signal processing systems for signal, image, and video technology. Implementation issues in system-on-chip**

2017 <https://link.springer.com/journal/11265/87/3/page/1>

**Kergrööbassõidukite ajamid ja juhtimine**

**Laugis, Juhan; Lehtla, Tõnu; Joller, Jüri; Rosin, Argo; Vinnikov, Dmitri; Lehtla, Madis** 2008 [http://www.ester.ee/record=b2394445\\*est](http://www.ester.ee/record=b2394445*est)

**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](#)

**Mapping the information flows for the architecture of a nationwide situation awareness system : (Poster)**

**Bahsi, Hayretidin**; Dieves, Veiko; **Kangilaski, Taivo**; Laud, Peeter; **Mõtus, Leo**; Murumets, Jaan; Ploom, Illimar; **Priisalu, Jaan**; Seeba, Mari; **Täks, Ermo**; Tammel, Kaide; **Tammpuu, Piia**; **Taveter, Kuldar**; Trumm, Avo; Truusa, Tiia-Triin; Vihalemm, Triin Proceedings 2019 IEEE International Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA) : Las Vegas, NV, USA, 8-11 April 2019 / p. 152–157 <https://doi.org/10.1109/COGSIMA.2019.8724167>

**Mehaaniliste süsteemide sisendtakistusest**

**Lavrentjev, J.; Kenk, Kalju** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 80 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

**Mis on kella sees? : [süsteemiteooriast]**

**Lorents, Peeter** Horisont 1994 / 6, lk. 35-37 [https://artiklid.elnet.ee/record=b2033909\\*est](https://artiklid.elnet.ee/record=b2033909*est)

### **Model based framework for testing distributed systems**

**Pal, Deepak; Vain, Jüri** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 91-94 : ill

### **Model based mechatronics systems modeling methodology in conceptual design stage**

**Sell, Raivo** 2007 [https://www.ester.ee/record=b2298261\\*est](https://www.ester.ee/record=b2298261*est)

### **Model matching problem for discrete-time nonlinear systems**

**Belikov, Juri; Halas, Miroslav; Kotta, Ülle; Moog, Claude** Proceedings of the Estonian Academy of Sciences 2015 / p. 457-472 : ill  
[https://artiklid.elnet.ee/record=b2750720\\*est](https://artiklid.elnet.ee/record=b2750720*est) <https://doi.org/10.3176/proc.2015.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model reference control of nonlinear systems by dynamic output feedback linearization of neural network based ANARX models**

**Petlenkov, Eduard** Proceedings of the 10th International Conference on Control Automation Robotics & Vision (ICARCV 2008) : Hanoi, Vietnam, December 17-20, 2008 2008 / p. 1119-1123 <https://ieeexplore.ieee.org/document/4795677>

### **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](#)

### **Modeling and analysis of the synchronous generators excitation systems**

**Slenduhhov, Vadim; Kilter, Jako** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 252-257 : ill

### **Modeling of complex signals in nerve fibers**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Medical hypotheses 2018 / p. 90-95 : ill <https://doi.org/10.1016/j.mehy.2018.08.021>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modelling emergent behaviour of organisations : time-aware, UML and agent based approach = Ilmneva käitumise modelleerimine organisatsioonides : ajatundlik, UML ja agendipõhine lähenemine**

**Savimaa, Raul** 2005 [https://www.ester.ee/record=b2068668\\*est](https://www.ester.ee/record=b2068668*est)

### **Modelling of multirate multivariable control systems : a state-space approach : thesis submitted to Tallinn Technical University in candidature for the degree of Doctor of Philosophy in Engineering**

**Astrov, Igor** 2000 [http://www.ester.ee/record=b1707861\\*est](http://www.ester.ee/record=b1707861*est)

### **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 <https://doi.org/10.1080/14399776.2015.1110093>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

### **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>

### **Neural networks based identification and control of nonlinear systems : ANARX model based approach**

**Petlenkov, Eduard** 2007 [https://www.ester.ee/record=b2315845\\*est](https://www.ester.ee/record=b2315845*est)

### **NN-ANARX structure for control of nonlinear SISO and MIMO systems : neural networks based approach**

**Petlenkov, Eduard; Belikov, Juri** Proceedings of the 26th Chinese Control Conference : July 26-31, 2007, Zhangjiajie, Hunan, China. 4 2007 / p. 138-145 <https://ieeexplore.ieee.org/document/4347185/keywords#keywords>

### **NN-SANARX model based control of a water tank system using embedded microcontroller Arduino**

**Škiparev, Vjatšeslav; Belikov, Juri; Petlenkov, Eduard** Proceedings of the 2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications : IDAACS'2019, 18-21 Sept. 2019 2019 / p. 372-377 : ill <https://doi.org/10.1109/IDAACS47747.2019>

**On applying normalized systems theory to the business architectures of information systems**

**Eessaar, Erki** Baltic journal of modern computing 2014 / p. 132-149 : ill

**Petri võrkude ja Q-mudeli võrdlus : magistritöö**

**Tekko, Jaanus** 1994 [https://www.ester.ee/record=b4610164\\*est](https://www.ester.ee/record=b4610164*est)

**A polynomial approach to a nonlinear model matching problem**

**Belikov, Juri; Halas, Miroslav; Kotta, Ülle; Moog, Claude** Proceedings of the Estonian Academy of Sciences 2016 / p. 330-344 : ill  
<https://doi.org/10.3176/proc.2016.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Polynomial methods for nonlinear control systems = Polünoommeetodid mittelineaarsetes juhtimissüsteemides**

**Belikov, Juri** 2012 [http://www.ester.ee/record=b2854462\\*est](http://www.ester.ee/record=b2854462*est)

**Predicting frequency disturbances from wide area monitoring of ambient power system dynamics**

**Tuttelberg, Kaur; Kilter, Jako** 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Sarajevo, Bosnia and Herzegovina, October 21-25, 2018 : proceedings 2018 / 6 p <https://doi.org/10.1109/ISGTEurope.2018.8571711>

**A quality model of metamodeling systems**

**Sgirka, Rünno; Eessaar, Erki** Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 543-555  
[https://doi.org/10.1007/978-1-4614-3558-7\\_46](https://doi.org/10.1007/978-1-4614-3558-7_46) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Redundancy detection and removal in Mamdani Fuzzy Systems**

**Riid, Andri; Saastamoinen, Kalle; Rüstern, Ennu** Proceedings of the Eighth International Conference on Applications of Fuzzy Systems and Soft Computing : Helsinki, Finland, 1-3 September 2008 2008 / p. 131-140

**A security verification template to assess cache architecture vulnerabilities**

**Ghasempouri, Tara; Raik, Jaan; Paul, Kolin; Reinbrecht, Cezar; Hamdioui, Said; Taouil, M.** 2020 23rd International Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS), April 22nd – 24th 2020 Novi Sad, Serbia : Proceedings 2020 / art. 9095707, 6 p <https://doi.org/10.1109/DDECS50862.2020.9095707>

**Selected issues of modeling, verification and testing of digital systems**

**Jutman, Artur** 2004 [https://www.ester.ee/record=b1989760\\*est](https://www.ester.ee/record=b1989760*est)

**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

**Single-experiment observability decomposition of discrete-time analytic systems**

**Kawano, Yu; Kotta, Ülle** Systems & control letters 2016 / p. 193-199 <https://doi.org/10.1016/j.sysconle.2016.09.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sissejuhatus infosüsteemidesse**

**Mikli, Toomas** 1999 [http://www.ester.ee/record=b1053810\\*est](http://www.ester.ee/record=b1053810*est)

**Sissejuhatus infosüsteemidesse**

**Mikli, Toomas** 1998 [https://www.ester.ee/record=b1053810\\*est](https://www.ester.ee/record=b1053810*est)

**A sparse minimal-order dynamic model of power networks based on DQ0 signals**

**Belikov, Juri; Levron, Yoash** IEEE transactions on power systems 2018 / p. 1059-1067 : ill  
<https://doi.org/10.1109/TPWRS.2017.2702746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Special issue on recent advances in the design and applications of fractional-order circuits and systems : [brief introduction]**

**Psychalinos, Costas; Elwakil, Ahmed S.; Allagui, Anis; Tepļakov, Aleksei** International journal of electronics and communications 2017 / p. 132-135 <https://doi.org/10.1016/j.aeeu.2017.07.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Specifying and verifying model transformations for certified systems using transformation models**

**Toom, Andres; Dieumegard, Arnaud; Pantel, Marc** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 97-100 : ill

### **The structure of concurrent process histories**

**Nester, Chad Mitchell** Coordination Models and Languages : 23rd IFIP WG 6.1 International Conference, COORDINATION 2021, Held as Part of the 16th International Federated Conference on Distributed Computing Techniques, DisCoTec 2021, Valletta, Malta, June 14-18, 2021 : proceedings 2021 / p. 209-224 [https://doi.org/10.1007/978-3-030-78142-2\\_13](https://doi.org/10.1007/978-3-030-78142-2_13) [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Supervisory fed-batch fermentation control on the basis of linguistically interpretable fuzzy models**

**Riid, Andri; Rüstern, Ennu** Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 96-112 : ill [https://artiklid.elnet.ee/record=b1004040\\*est](https://artiklid.elnet.ee/record=b1004040*est)

### **SysML in systems engineering course**

**Kruus, Helena; Robal, Tarmo; Jervan, Gert** 10th European Workshop on Microelectronics Education : EWME 2014 : May 14-16, 2014, Tallinn, Estonia 2014 / p. 177-181 : ill

### **System modeling combined with dimensional analysis for conceptual design**

Christophe, Francois; **Sell, Raivo**; Coatanea, Eric; **Tamre, Mart** 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 229-234 : ill

### **System modeling for processor-centric test automation = Süsteemide modelleerimine protsessorikesksete testprogrammide sünteesi automatiseerimiseks**

**Tšertov, Anton** 2012 [https://www.ester.ee/record=b2751131\\*est](https://www.ester.ee/record=b2751131*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 digital system test**

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

### **Teaching modeling in SysML/UML and problems encountered**

**Kruus, Helena; Robal, Tarmo; Jervan, Gert** Proceedings of the 25th International Conference on European Association for Education in Electrical and Information Engineering : 30 May-June 2014, Cesme, Türkiye 2014 / p. 33-36 : ill

### **Test cover calculation in digital systems with word-level decision diagrams**

**Ubar, Raimund-Johannes; Raik, Jaan; Ivask, Eero; Brik, Marina** Вестник Томского государственного университета 2002 / с. 315-319 : ил

### **5th International Conference on Optimal [i.e. Operational] Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts**

2006 [http://www.ester.ee/record=b2146103\\*est](http://www.ester.ee/record=b2146103*est)

### **Towards distributed sociotechnical system for reporting critical laboratory results**

**Mahunnah, Msury**; Koorts, Annike; **Taveter, Kuldar** HEALTHINF 2013 - Proceedings of the International Conference on Health Informatics, Barcelona, Spain, 11-14 February, 2013 2013 / p. 269-276

### **Traction and control of light rail vehicles**

**Laugis, Juhan; Lehtla, Tõnu; Joller, Jüri; Rosin, Argo; Vinnikov, Dmitri; Lehtla, Madis** 2008 [http://www.ester.ee/record=b2394449\\*est](http://www.ester.ee/record=b2394449*est)

### **Transparency analysis of first-order Takagi-Sugeno systems**

**Riid, Andri; Isotamm, Raul; Rüstern, Ennu** 10th International Conference on System-Modeling-Control : Zakopane, Poland, May 21-25, 2001 : proceedings. Vol. 2 2001 / p. 165-170 : ill [https://www.researchgate.net/publication/2491497\\_Transparency\\_Analysis\\_Of\\_First-Order\\_Takagi-Sugeno\\_Systems](https://www.researchgate.net/publication/2491497_Transparency_Analysis_Of_First-Order_Takagi-Sugeno_Systems)

### **Transparent fuzzy systems : modeling and control**

**Riid, Andri** 2002 [https://www.ester.ee/record=b1646015\\*est](https://www.ester.ee/record=b1646015*est)

### **An unsupervised framework for detecting anomalous messages from syslog log files**

**Vaarandi, Risto; Blumbergs, Bernhards**; Kont, Markus Network operations and management symposium : cognitive mangement in a cyber world, 23-27 april 2018, Taipei, Taiwan 2018 / 6 p <http://doi.org/10.1109/NOMS.2018.8406283>

### **Verification and error correction on High-Level Decision Diagrams**

**Karputkin, Anton** 2013

### **A versioning subsystem of metamodeling system**

**Sgirka, Rünno** Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 305-317  
[https://doi.org/10.1007/978-1-4614-3535-8\\_26](https://doi.org/10.1007/978-1-4614-3535-8_26) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Why information systems modelling is difficult**

Jaakkola, Hannu; **Henno, Jaak**; Welzer-Družovec, Tatjana; Thalheim, Bernhard; Mäkelä, Jukka Proceedings of the Fifth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications : SQAMIA 2016 : Budapest, Hungary, August 29-31, 2016 2016 / p. 29-39 : ill <http://ceur-ws.org/Vol-1677/> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Анализ и моделирование производственных систем**

**Tamm, Boris**, inform.; **Puusepp, Märt**; **Tavast, Raul** 1987 [https://www.ester.ee/record=b1496588\\*est](https://www.ester.ee/record=b1496588*est)

#### **Анализ и моделирование технических устройств и систем АСУТП**

1977 [https://www.ester.ee/record=b2190987\\*est](https://www.ester.ee/record=b2190987*est) <https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200>

#### **Анализ и моделирование технических устройств и систем АСУТП**

1978 [https://www.ester.ee/record=b2191003\\*est](https://www.ester.ee/record=b2191003*est) <https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b>

#### **Балансовые модели в АСУ непрерывными технологическими процессами : учебное пособие**

**Aarna, Olav** 1985 [https://www.ester.ee/record=b1296195\\*est](https://www.ester.ee/record=b1296195*est)

#### **Вероятностное моделирование одного класса многостадийных технологических процессов : автореферат ... кандидата технических наук (05.13.01)**

**Kiitam, Andres** 1981 [https://www.ester.ee/record=b1322800\\*est](https://www.ester.ee/record=b1322800*est)

#### **Вероятностное моделирование одного класса многостадийных технологических процессов : диссертация на соискание ученой степени кандидата технических наук**

**Kiitam, Andres** 1981 [https://www.ester.ee/record=b4632985\\*est](https://www.ester.ee/record=b4632985*est)

#### **Гибкие производственные системы**

**Kimmel, Andres**; **Riives, Jüri** 1991 [https://www.ester.ee/record=b1061779\\*est](https://www.ester.ee/record=b1061779*est)

#### **Информационные модели в масштабе реального времени : на соискание ... доктора технических наук**

**Elmik, Lea** 1992 [http://www.ester.ee/record=b2488688\\*est](http://www.ester.ee/record=b2488688*est)

#### **Математическое моделирование и управление технологическими процессами**

1984 [https://www.ester.ee/record=b1351791\\*est](https://www.ester.ee/record=b1351791*est) <https://digikogu.taltech.ee/et/Item/6dd2c10f-7b55-4064-8975-650bbd2fce5f>

#### **Математическое моделирование многофазных химико-технологических систем**

**Kallas, Juha** Процессы и аппараты химической технологии и технология неорганических веществ. 8 1977 / с. 15-19 : илл [https://www.ester.ee/record=b1531858\\*est](https://www.ester.ee/record=b1531858*est) <https://digikogu.taltech.ee/et/Item/97286e9a-e68e-4dd6-9aae-92786dbf43a7>

#### **Математическое моделирование химико-технологических систем**

**Kallas, Juha** Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 173-176 [https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

#### **Моделирование гибких производственных систем**

**Kitsnik, Peeter**; **Riives, Jüri** 1990

#### **Стохастическая модель задачи проектирования оптимальных систем**

**Jõgi, Emma** [Проблемы оптимизации : тезисы докладов всесоюзной конференции "Проблемы оптимизации и надежности в строительной механике"] 1979 / с. 17-18

#### **Электротехника и автоматика**

**Laansoo, Ants**; **Aarna, Olav**; **Metsanurm, Margus**; **Teder, Toomas**; **Kiitam, Andres**; **Saks, Eva**; **Land, Raul**; **Min, Mart**; **Rommel, Ülo**; **Ronk, Ants**; **Rang, Toomas** 1987 [https://www.ester.ee/record=b1221893\\*est](https://www.ester.ee/record=b1221893*est)

#### **Элементы теории моделирования инженерных процессов при помощи специализированных систем программирования : автореферат ... доктора технических наук (225)**

**Tamm, Boris**, inform. 1969 [http://www.ester.ee/record=b1361359\\*est](http://www.ester.ee/record=b1361359*est)

#### **Элементы теории моделирования инженерных процессов при помощи специализированных систем программирования : диссертация ... доктора технических наук (225)**

**Tamm, Boris**, inform. 1969