

Adaptive output feedback linearization for a class of NN-based ANARX models

Petlenkov, Eduard; Nõmm, Sven; Kotta, Ülle 5th Junior European Meeting on Control & Information Technology : September 20-22, 2006, Tallinn, Estonia : book of abstracts 2006 / p. 10

Additive cellular automata graded-monadically

Capobianco, Silvio; Uustalu, Tarmo PPDP '23 : proceedings of the 25th International Symposium on Principles and Practice of Declarative Programming 2023 / art. 13, 9 p <https://doi.org/10.1145/3610612>

Aeg arvutisüsteemides ja infotehnoloogia ajas : [loeng 13. nov. 1996]

Mõtus, Leo Eesti Teaduste Akadeemia aastaraamat 1996 1997 / lk. 97-100

Ainult vajalikku infot

Võhandu, Leo; Laast-Laas, Jüri Tehnika ja Tootmine 1981 / lk. 10-12 https://www.ester.ee/record=b1073047*est

Analysis and comparison of attainable hardware acceleration in all programmable systems-on-chip

Sklyarov, Valery; Skliarova, Ioulia; Silva, João; Sudnitsõn, Aleksander Euromicro Conference on Digital System Design : DSD 2015 : 26-28 August 2015, Funchal, Madeira, Portugal : proceedings 2015 / p. 345-352 : ill <http://dx.doi.org/10.1109/DSD.2015.45>

Analysis of keyword spotting performance across IARPA Babel languages

Hartmann, William; Karakos, Damianos; Hsiao, Roger; Zhang, Le; Alumäe, Tanel; Tsakalidis, Stavros; Schwartz, Richard 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 5765-5769 : ill <https://doi.org/10.1109/ICASSP.2017.7953261> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analyzing Apache Storm as core for an event processing network model

Schulze, Christin; Gerner, Christian; Tyca, Matthias; Koschel, Arne; Pakosch, Anna; Astrova, Irina Intelligent systems and applications : proceedings of the 2021 Intelligent Systems Conference (IntelliSys). Volume 3 2024 / p. 397 - 410 https://doi.org/10.1007/978-3-031-47715-7_27 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

APPRAISER : DNN fault resilience analysis employing approximation errors

Taheri, Mahdi; Ahmadilivani, Mohammad Hasan; Jenihhin, Maksim; Daneshtalab, Masoud; Raik, Jaan 2023 26th International Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS) 2023 / p. 124-127 : ill <https://ddec2023.taltech.ee/> <https://doi.org/10.1109/DDECS57882.2023.10139468>

Arvutisüsteemide eriala on väärt valik: ülikool valmistab hästi ette ning töö on kirev ja vaheldusrikas [Võrguväljaanne]

digi.geenius.ee 2021 ["Arvutisüsteemide eriala on väärt valik: ülikool valmistab hästi ette ning töö on kirev ja vaheldusrikas"](#)

Arvutisüsteemide katsetamise ja diagnostika teerajaja Raimund Ubar

Sirp 2016 / lk. 11 : portr <https://www.sirp.ee/s1-artiklid/c21-teadus/arvutisusteemide-katsetamise-ja-diagnostika-teerajaja-raimund-ubar/> https://artiklid.elnet.ee/record=b2758005*est

Assessing interaction mechanics in extended reality for control engineering applications

Remenyi, Armin; Alsaleh, Saleh; Tepljakov, Aleksei 2024 32nd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2024 2024 <https://doi.org/10.23919/SoftCOM62040.2024.10721783> [Article at Scopus](#)

At-speed testing and test quality evaluation for high-performance pipelined systems Töökiirusel testimine ja testi kvaliteedi hindamine kõrgjõudlus-konveierarhitektuuriga süsteemidele

Gorev, Maksim 2015 <https://digi.lib.ttu.ee//?3953>

AVB-aware routing and scheduling for critical traffic in time-sensitive networks with preemption

Berisa, Aldin; Zhao, Luxi; Craciunas, Silviu S.; Ashjaei, Mohammad; Mubeen, Saad; Daneshtalab, Masoud; Sjödin, Mikael RTNS '22: Proceedings of the 30th International Conference on Real-Time Networks and Systems 2022 / p. 207-218 <https://doi.org/10.1145/3534879.3534926>

Bandwidth Reduction DoS attacks in Multi-Tenant NoC-based MPSoCs : detection and avoidance strategies = Ribalaiuse vähendamise DoS-rünnakud mitme rentnikuga NoC-põhiste MPSoC-de puhul : tuvastamise ja vältimise strateegiad

Chaves Arroyave, Cesar Giovanni 2023 <https://doi.org/10.23658/taltech.8/2023> <https://digikogu.taltech.ee/et/Item/60b3f5ee-3a53-43c6-b79e-d6a8cbbc3489> https://www.ester.ee/record=b5548907*est

Block library driven translation validation for dataflow models in safety critical systems

Dieumegard, Arnaud; Toom, Andres; Pantel, Marc Critical Systems : Formal Methods and Automated Verification : Joint 21st International Workshop on Formal Methods for Industrial Critical Systems and 16th International Workshop on Automated Verification of Critical Systems, FMICS-AVoCS 2016, Pisa, Italy, September 26-28, 2016 : proceedings 2016 / p. 117-132 : ill https://doi.org/10.1007/978-3-319-45943-1_8 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Channel performance estimations with extended channel probing

Kaeval, Kaida; Griesser, Helmut; Grobe, Klaus; Elbers, Jörg-Peter; Tikas, Marko; **Jervan, Gert** Photonic Networks : 21th ITG-Symposium : 24-25 November 2020 : online 2020 / p. 60-64 <http://d-nb.info/1223037061> <https://ieeexplore.ieee.org/document/9273755>

CLD : an accurate, cost-effective and scalable run-time Cache Leakage Detector

Shalabi, Ameer; Ghasempouri, Tara; Ellervee, Peeter; Raik, Jaan 2021 24th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : Vienna, Austria, 07-09 April 2021 2021 / p. 127-132 : ill <https://doi.org/10.1109/DDECS52668.2021.9417071>

CMOS defects analysis using DefSim measurement environment

Pleskacz, Witold A.; Borejko, Tomasz; Walkanis, A.; Stopjakova, Viera; **Jutman, Artur; Ubar, Raimund-Johannes** Informal Digest of Papers : Eleventh IEEE European Test Symposium : ETS 2006 : 21-24 May 2006, Southampton, United Kingdom 2006 / p. 241-246 : ill

Compact smart home systems : design and verification of cost effective hardware solutions

Kuusik, Alar 2001 http://www.ester.ee/record=b1578112*est

Compact smart home systems : design and verification of cost effective hardware solutions

Kuusik, Alar 2001 http://www.ester.ee/record=b1622134*est

A comprehensive approach for designing business-intelligence solutions with multi-agent systems in distributed environments

Qayumi, Karima; **Norta, Alexander** Transactions on Large-Scale Data- and Knowledge-Centered Systems XXXVII 2018 / p. 113-150 https://doi.org/10.1007/978-3-662-57932-9_4 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

Context awareness in distributed computing systems

Preden, Jürjo-Sören; Helander, Johannes Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös nominatae : sectio computatorica 2009 / p. 57-73

DACA : automated attack scenarios and dataset generation

Korving, Frank; Vaarandi, Risto Proceedings of the 18th International Conference on Cyber Warfare and Security, ICCWS 2023, a conference hosted by Towson University, Baltimore County, Maryland, USA, 9-10 March 2023 2023 / p. 550-559 : ill <https://papers.academic-conferences.org/index.php/iccws/article/download/962/938> <https://doi.org/10.34190/iccws.18.1.962>

Databases and Information Systems : 14th International Baltic Conference, DB&IS 2020, Tallinn, Estonia, June 16-19, 2020 : Proceedings

2020 <https://doi.org/10.1007/978-3-030-57672-1>

A data-centric algorithm for identifying use cases

Eessaar, Erki Software Engineering Perspectives and Application in Intelligent Systems : proceedings of the 5th Computer Science On-line Conference 2016 (CSOC2016), Vol 2 2016 / p. 303-316 https://doi.org/10.1007/978-3-319-33622-0_28 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Decentralized distributed data structure for bioanalytical laboratory setups

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas 8th ACM Celebration of Women in Computing : womENCourage 2021, 22-24 September, 2021, Czech Republic 2021 / 2 p. : ill https://womencourage.acm.org/2021/wp-content/uploads/2021/07/59_extendedabstract.pdf

Decentralized distributed data structure for bioanalytical laboratory setups : [poster]

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas 2021 / 1 p. : ill https://womencourage.acm.org/2021/wp-content/uploads/2021/07/59_poster.pdf

Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers

Aksjonov, Andrei; Augsburg, Klaus; **Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <https://doi.org/10.3390/app6120382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and verification of Cyber-Physical Systems using TrueTime, evolutionary optimization and UPPAAL

Balasubramaniyan, Sreram; Srinivasan, Seshadri; Buonopane, Furio; Balasubramanian, Subathra; **Vain, Jüri;** Ramaswamy, Srin Microprocessors and microsystems 2016 / p. 37-48 : ill <https://doi.org/10.1016/j.micpro.2015.12.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design error repair with mutations at higher abstraction levels

Hantson, Hanno Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 21-24 : ill

The design of the Estonian governmental document exchange classification framework

Draheim, Dirk; Koosapöeg, Kaarel; Lauk, Mihkel; Pappel, Ingrid; Pappel, Ingmar; Tepandi, Jaak Electronic Government and the Information Systems Perspective : 5th International Conference, EGOVIS 2016, Porto, Portugal, September 5-8, 2016 : proceedings 2016 / p. 33-47 : ill http://link.springer.com/chapter/10.1007/978-3-319-44159-7_3 http://www.estel.ee/record=b4645628*est https://doi.org/10.1007/978-3-319-44159-7_3 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Designing reliable cyber-physical systems

Aleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; Devadze, Sergei; Jenihhin, Maksim; Jutman, Artur; Raik, Jaan; Shibin, Konstantin Languages, design methods, and tools for electronic system design : selected contributions from FDL 2016 2018 / p. 15-38 : ill https://doi.org/10.1007/978-3-319-62920-9_2 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Designing reliable cyber-physical systems : overview associated to the special session at FDL'16

Aleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; Devadze, Sergei; Jenihhin, Maksim; Jutman, Artur; Raik, Jaan; Shibin, Konstantin The 2016 Forum on Specification & Design Languages : proceedings : Bremen, Germany, September 14-16, 2016 2016 / [8] p. : ill <https://doi.org/10.1109/FDL.2016.7880382>

Detection, identification and tracking of mobile objects with distributed system of systems

Riid, Andri; Preden, Jürjo-Sören; Astapov, Sergei Proceedings of the 9th International Conference on System of Systems Engineering (SoSE 2014) : 9-13 June 2014, Stamford Grand, Glenelg, Australia 2014 / p. 224-229 : ill

Determining a device crossover point in CPU/GPU systems for streaming applications

Kanur, Sudeep; Lund, Wictor; Tsiopoulos, Leonidas; Lilius, Johan 2015 IEEE Global Conference on Signal and Information Processing : GlobalSIP 2015 : Orlando, FL, USA, December 14-16, 2015 2015 / p. 1417-1421 : ill <http://dx.doi.org/10.1109/GlobalSIP.2015.7418432>

Developing European operational oceanography for Blue Growth, climate change adaptation and mitigation, and ecosystem-based management

She, Jun; Allen, Icarus; Buch, Erik; Lips, Urmas Ocean science 2016 / p. 953-976 : ill <https://doi.org/10.5194/os-12-953-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Digital system modeling and synthesis as an introduction to computer systems engineering

Tajammul, Muhammad Adeel; Azad, Siavoosh Payandeh; Ellervee, Peeter 2015 International Conference on Microelectronic Systems Education : MSE '15 : Pittsburgh, PA, May 20-21, 2015 2015 / p. 52-55 : ill <http://dx.doi.org/10.1109/MSE.2015.7160016>

Distributed fusion and automated sensor tasking in ISR systems

Preden, Jürjo-Sören; Pahtma, Raido; Astapov, Sergei; Ehala, Johannes; Riid, Andri; Mõtus, Leo Ground/air multisensor interoperability, integration, and networking for persistent ISR V 2014 / p. 90790M-1 - 90790M-10 : ill <https://doi.org/10.1117/12.2054731> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Eesti keelt mõistev arvutisüsteem võtab infotelefonineiuelt töö : [Einar Meister räägib TTÜ Küberneetika Instituudi foneetika ja kõnetehnoloogia labori tööst kõnetuvastussüsteemi loomisest]

Lõhmus, Alo; Meister, Einar Postimees 2003 / 24. märts, lk. 5 <https://www.postimees.ee/2007821/eesti-keelt-moistev-arvutisusteem-votab-infotelefonineiuelt-too>

An efficient feature-based method for people counting

Helmer, Daniel; Hinkelmann, Heiko; Hollstein, Thomas SAC '23: Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing 2023 / p. 852 - 855 <https://doi.org/10.1145/3555776.3577801>

EKI keelekool: eestikeelsed automaatsubtiitrid on jõudnud otse-eeetrisse [Võrguväljaanne]

Oja, Susanna postimees.ee 2022 ["EKI keelekool: eestikeelsed automaatsubtiitrid on jõudnud otse-eeetrisse"](https://www.postimees.ee/20220401/eki-keelekool-eestikeelsed-automatsubtiitrid-on-joudnud-otse-eeetrisse)

Electronic Voting : 5th International Joint Conference, E-Vote-ID 2020, Bregenz, Austria, October 6–9, 2020 : proceedings 2020

<https://doi.org/10.1007/978-3-030-60347-2>

Enhanced IoT-based end-to-end emergency and disaster relief system

Ben Arbia, Dhafer; Alam, Muhammad Mahtab; Kadri, Abdullah; Ben Hamida, Elyes; Attia, Rabah Journal of sensor and actuator networks 2017 / art. 19, p. 1-18 : ill <https://doi.org/10.3390/jsan6030019> [Journal metrics at Scopus](#) [Article at Scopus](#)

Evaluation of deep neural network compression methods for edge devices using weighted score-based ranking scheme

Ademola, Olutosin Ajibola; Leier, Mairo; Petlenkov, Eduard Sensors 2021 / art. 7529 <https://doi.org/10.3390/s21227529> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Execution of dataflow process networks on OpenCL platforms

Lund, Wictor; Kanur, Sudeep; Ersfolk, Johan; Tsiopoulos, Leonidas 23rd Euromicro International Conference on Parallel, Distributed, and Network-Based Processing : PDP 2015 : 4-6 March 2015, Turku, Finland : proceedings 2015 / p. 618-625 : ill <https://doi.org/10.1109/PDP.2015.29>

Exploring the limits of early predictive maintenance in wind turbines applying an anomaly detection technique

Jankauskas, Mindaugas; Serackis, Artūras; Šapurov, Martynas; Pomarnacki, Raimondas; Baskys, Algirdas; Hyunh, Van Khang; Vaimann, Toomas; Zakis, Janis Sensors 2023 / art. 5695 <https://doi.org/10.3390/s23125695> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility of a multi-tier cyber physical system as a self-aware entity

Tammemäe, Kalle; Hollstein, Thomas AmiES-2017 : Ambient Intelligence and Embedded Systems : International Symposium, 14-16 September, 2017, Vaasa, Finland 2017 / 3 p. : ill <http://amies-2017.international-symposium.org/abstracts.html#tammemae>

Foundational MDA patterns for service-oriented computing

Atkinson, Colin; Bostan, Philipp; Draheim, Dirk Journal of object technology 2015 / p. 1-30 : ill <http://dx.doi.org/10.5381/jot.2015.14.1.a1>

A generating CAI system

Võhandu, Priit; Regi, Kai Data processing, compiler writing, problems of programming 1989 / p. 59-64

Generating situation awareness in cyber-physical systems : creation and exchange of situational information

Preden, Jürjo-Sören CODES '14 : proceedings of the 2014 International Conference on Hardware/Software Codesign and System Synthesis 2014 / [3] p. : ill

A generic synthesizable NoC switch with a scalable testbench

Govind, Vineeth; Raik, Jaan; Ubar, Raimund-Johannes BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 91-94 : ill

Ghinea, Diana; Goyal, Vipul; Liu-Zhang, Chen-Da. Round-optimal Byzantine agreement : [review]

Henno, Jaak zbMATH Open 2022 / p. 1 <https://zbmath.org/pdf/1497.94091.pdf>

Graphical tuning for robust stabilization : implementable stability regions for fractional-order proportional integral controllers in interval fractional-order systems

Ghorbani, Majid; Farnam, Arash; Tepljakov, Aleksei; Petlenkov, Eduard; Crevecœur, Guillaume; Eskandarian, Azim 2024 IEEE 63rd Conference on Decision and Control (CDC) 2024 / p. 8902 - 8907 <https://doi.org/10.1109/CDC56724.2024.10885794> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Grey box identification of fractional-order system models from frequency domain data

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri 41th International Conference on Telecommunications and Signal Processing : July 4-6, 2018, Athens, Greece : proceedings 2018 / p. 319-322 : ill <https://doi.org/10.1109/TSP.2018.8441247>

"Guru"

Leis, Paul Arvutustehnika ja Andmetöötlus 1990 / 3, lk. 26-31

[Halbwachs, N. Synchronous programming of reactive systems. The Kluwer International Series in Engineering and Computer Science, 1993 : Book review]

Mõtus, Leo Engineering applications of artificial intelligence 1994 / p. 336-337 https://www.ester.ee/record=b1200126*est

Hardware-based systems for partial sorting of streaming data

Rjabov, Artjom BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 59-62 : ill http://www.ester.ee/record=b2150914*est

Health management for self-aware SoCs based on IEEE 1687 infrastructure

Shibin, Konstantin; Devadze, Sergei; Jutman, Artur; Grabmann, Martin; Pricken, Robin IEEE Design & Test 2017 / p. 27-35 : ill <https://doi.org/10.1109/MDAT.2017.2750902> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-performance information processing in distributed computing systems

Sklyarov, Valery; Rjabov, Artjom; Skliarova, Iuliia; Sudnitsõn, Aleksander International journal of innovative computing, information and control 2016 / p. 139-160 : ill https://www.researchgate.net/publication/297047447_High-performance_information_processing_in_distributed_computing_systems [Journal metrics at Scopus](#) [Article at Scopus](#)

Hoone tehnosüsteemide RYL 2002 : ehitustööde üldised kvaliteedinõuded. II osa

2004 https://www.ester.ee/record=b2047400*est

IEEE 1687 compliant ecosystem for embedded instrumentation access and in-field health monitoring

Tšertov, Anton; Jutman, Artur; Shibin, Konstantin; Devadze, Sergei IEEE AUTOTESTCON 2018 : National Harbor, September 17-20, 2018 : proceedings 2018 / 9 p.: ill <https://doi.org/10.1109/AUTEST.2018.8532559>

IMMizer : an innovative cost-effective method for minimizing assertion sets

Heidari Iman, Mohammad Reza; Raik, Jaan; Jervan, Gert; Ghasempouri, Tara 2022 25th Euromicro Conference on Digital System Design (DSD) : Maspalomas, Spain 2022 : proceedings 2022 / p. 671 - 678 <https://doi.org/10.1109/DSD57027.2022.00095>
[Article at Scopus](#) [Article at WOS](#)

Improvised explosive devices in asymmetric conflicts : multisource data fusion for providing situational information

Preden, Jürjo-Sören; Mõtus, Leo; Llinas, James; Pahtma, Raido; Savimaa, Raul; Meriste, Merik; Astapov, Sergei Case studies in system of systems, enterprise systems, and complex systems engineering 2015 / p. 407-443 : ill

Integration of high-level synthesis to the courses on reconfigurable digital systems

Sklyarov, Valery; Skliarova, Iuliia; Sudnitsõn, Aleksander; Kruus, Margus 2015 38th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO) : May 25-29, 2015, Opatija, Croatia : proceedings 2015 / p. 166-171 : ill <http://dx.doi.org/10.1109/MIPRO.2015.7160258>

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 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Introducing computer systems related topics in the first study semester

Gorev, Maksim; Pesonen, Vadim; Ellervee, Peeter Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10-12 May 2010 2010 / p. 185-188 : ill
https://www.researchgate.net/publication/228980104_Introducing_Computer_Systems_Related_Topics_in_the_First_Study_Semester

i-tee : a fully automated cyber defense competition for students

Ernits, Margus; Tammekänd, Johannes; Maennel, Olaf Manuel SIGCOMM '15 : proceedings of the 2015 ACM Conference on Special Interest Group on Data Communication : August 17-21, 2015, London, United Kingdom 2015 / p. 113-114 : ill
<https://doi.org/10.1145/2785956.2790033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Jõudluse hindamine ja Amdahli seadus

Toomsalu, Arvo A & A 1998 / 3, lk. 12-15

20 aastat maailma testiteaduse tippkonkurentsis

Ubar, Raimund-Johannes Mente et Manu 2015 / lk. 12-13 : fot https://artiklid.elnet.ee/record=b2749536*est

Keerukate arvutisüsteemide uurimine Tallinna Tehnikaülikoolis

Jervan, Gert; Ellervee, Peeter; Ubar, Raimund-Johannes Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 42-60 : ill

Kuidas töötajaid salaja jälgida

Meel, Mari Äripäev 2004 / 14. apr., lk. 27 <https://arileht.delfi.ee/artikkel/7619468/kuidas-tootajaid-salaja-jalgida>

Kust saada tuge keerukate arvutisüsteemide rakendusteks

Mikli, Toomas Rahva Hääl 1994 / 17. det

Loengukursus arvutisüsteemide loomise meetoditest : [TTÜs, loengupidaja Samary Baranov : lühisõnum]

Mente et Manu 2008 / 16. jaan., lk. 3 https://www.ester.ee/record=b1242496*est

Managing ITT project through global networking systems : a new approach

Nahar, Nazmun; Huda, Najmul; Tepandi, Jaak Managing business by projects. Vol. 2 1999 / p. 1198-1212

Mikroarvutite põhimõlused arengusuundi

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 5, lk. 2-11; 6, lk. 10-14: ill

Miljon eurot arvutisüsteemide usaldusväärsuse parandamiseks : [lühisõnum]

Mente et Manu 2016 / lk. 7 http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_04/index.html

[1000000 eurot on TTÜ arvutitehnika instituudi projekti TUTORIAL kogumaksumus : lühisõnum]

Horisont 2016 / lk. 4

Miniatuurne märgvara [Võrguteavik]

Tammemäe, Kalle Arvutimaailm 2018 / 14 p <https://www.am.ee/margvara>

ML-based online design error localization for RISC-V implementations

Selg, Hardi; Jenihhin, Maksim; Ellervee, Peeter; Raik, Jaan 2023 IEEE 29th International Symposium on On-Line Testing and Robust System Design (IOLTS) : IOLTS 2023 : July 3rd-5th, 2023, Platani, Chania (Crete), Greece : proceedings 2023 / 7 p.

<https://doi.org/10.1109/IOLTS59296.2023.10224864>

Model predictive control of descriptor systems

Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard IEEE Control Systems Letter 2024 / p. 2139 - 2144
<https://doi.org/10.1109/LCSYS.2024.3448310> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiple fault testing in systems-on-chip with high-level decision diagrams

Ubar, Raimund-Johannes; Oyeniran, Adeboye Stephen; Schölzel, Mario; Vierhaus, Heinrich Theodor Proceedings of 2015 10th International Design & Test Symposium (IDT) : Dead Sea, Jordan, 14-16 December 2015 2015 / p. 66-71 : ill
<http://dx.doi.org/10.1109/IDT.2015.7396738>

Nature of time in real-time computing systems

Mötus, Leo IFAC World Congress, Pre-congress Advanced Workshop on Techniques for Time-critical Software Design, San Francisco, July 1996 1996

NLControl - a mathematica package for nonlinear control systems

Kotta, Ülle; Tönso, Maris IFAC-PapersOnLine 2017 / p. 681-686 <https://doi.org/10.1016/j.ifacol.2017.08.122> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

NN-ANARX model based control of liquid level using visual feedback

Vassiljeva, Kristina; Tepljakov, Aleksei; Petlenkov, Eduard 2015 IEEE International Conference on Industrial Informatics (INDIN) : proceedings : Robinson College, Cambridge, United Kingdom, 22-24 July, 2015 2015 / p. 133-138 : ill
<http://dx.doi.org/10.1109/INDIN.2015.7281723>

A novel random approach to diagnostic test generation

Osimiry, Emmanuel Ovie; Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan 2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark 2016 / [4] p. : ill <https://doi.org/10.1109/NORCHIP.2016.7792915>

On controllability of switched linear systems on time scales

Belikov, Juri; Tepljakov, Aleksei 2015 European Control Conference (ECC) : July 15-17, 2015, Linz, Austria 2015 / p. 1736-1741
<http://dx.doi.org/10.1109/ECC.2015.7330788>

On finding model smells based on code smells

Eessaar, Erki; Käosaar, Ege Software Engineering and Algorithms in Intelligent Systems : Proceedings of 7th Computer Science On-line Conference 2018, Vol. 1 2019 / p. 269-281 https://doi.org/10.1007/978-3-319-91186-1_28 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On-line data validation in distributed data fusion

Preden, Jürjo-Sören; Llinas, James; Rogova, Galina; Pahtma, Raido; Mötus, Leo Ground/air multisensor interoperability, integration, and networking for persistent ISR IV 2013 / p. 1-12 : ill <https://doi.org/10.1117/12.2016249> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On-line data validation in distributed data fusion

Preden, Jürjo-Sören Proceedings of the Workshop on Future Internet Architectures for Military Networks : Oslo, Norway, 29-30 January 2014 2014

Performing acoustic localization in a network of embedded smart sensors

Astapov, Sergei; Ehala, Johannes; Preden, Jürjo-Sören International journal of microelectronics and computer science 2015 / p. 86-95 : ill

Practicing start-up culture in teaching embedded systems

Reinsalu, Uljana; Azad, Siavoosh Payandeh; Leier, Mairo; Tammemäe, Kalle; Hollstein, Thomas EWME 2016 : 11th European Workshop on Microelectronics Education : May 11-13, 2016, Southampton, UK 2016 / [6] p. : ill
<https://doi.org/10.1109/EWME.2016.7496463>

Problem domain analysis

Tepandi, Jaak Concise encyclopedia of software engineering 1993 / p. 248-251 : ill

Processing sorted subsets in a multi-level reconfigurable computing system

Rjabov, Artjom; Sklyarov, Valery; Skliarova, Iuliia; Sudnitsõn, Aleksander Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 30-33 : ill <https://doi.org/10.5755/j01.eee.21.2.11509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

QAMPA 3.0

Leis, Paul Arvutustehnika ja Andmetöötlus 1990 / 6, lk. 12-20

Reconfigurable systems in engineering education : best practices and future trends

Skliarova, Iuliia; Sklyarov, Valery; **Sudnitsõn, Aleksander; Kruus, Margus** Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON) : 25-28 April 2017, Athens, Greece 2017 / p. 1084-1088 : ill <https://doi.org/10.1109/EDUCON.2017.7942983>

Reducing bandwidth requirements and optimizing data flow in distributed data acquisition and processing

Preden, Jürgo-Sören; Mõtus, Leo; Pahtma, Raido; Meriste, Merik Proceedings of the 2013 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA) 2013 / p. 175-182 : ill

Reliability continuum and academic EDA

Jenihhin, Maksim 2nd International Training School on Manufacturable and Dependable Multicore Architectures at Nanoscale (MEDIAN ISTS 2015) : Prague, Czech Republic, July 13-15, 2015 2015 / [1] p

Research Laboratory for Proactive Technologies : Department of Computer Control, Tallinn University of Technology : annual report 2009

2010 https://www.ester.ee/record=b2487393*est

Robust stabilization of interval fractional-order plants with an interval time delay by fractional-order proportional integral derivative controllers

Ghorbani, Majid; Tepļakov, Aleksei; Petlenkov, Eduard IET Control Theory and Applications 2024 / p. 614-625

<https://doi.org/10.1049/cth2.12594> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RTL assertion mining with automated RTL-to-TLM abstraction

Ghasempouri, Tara; Danese, Alessandro; Pravadelli, Graziano; Bombieri, Nicola; Raik, Jaan Proceedings of the 2019 Forum on specification & Design Languages (FDL) 2019 / 8 p. : ill <https://doi.org/10.1109/FDL.2019.8876941>

ScaLib : Scalable Library System based on Google App Engine

Matesanz, Philip; Buchner, Dennis; Forderer, Arthur; **Astrova, Irina** 2018 9th International Conference on Information, Intelligence, Systems and Applications (IISA 2018) : Zakynthos, Greece, 23-25 July 2018 2018 / p.317-322 : ill

<http://doi.org/10.1109/IISA.2018.8633629>

Securing airline-turnaround processes using security risk-oriented patterns

Samarütel, Silver; Matulevičius, Raimundas; **Norta, Alexander; Nõukas, Rein** The Practice of Enterprise Modeling : 9th IFIP WG 8.1. Working Conference, PoEM 2016, Skövde, Sweden, November 8-10, 2016 : proceedings 2016 / p. 209-224

https://doi.org/10.1007/978-3-319-48393-1_15 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Self-testing of pipe-lined signal processing architectures at-speed

Gorev, Maksim; Ubar, Raimund-Johannes; Ellervee, Peeter Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 25-28 : ill

Simple infeasibility certificates for attack trees

Buldas, Ahto; Lenin, Aleksandr; Villemson, Jan; Charnamord, Anton Advances in Information and Computer Security : 12th International Workshop on Security, IWSEC 2017, Hiroshima, Japan, August 30 – September 1, 2017 : proceedings 2017 / p. 39-55 : ill

https://doi.org/10.1007/978-3-319-64200-0_3 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulation-based equivalence checking between IEEE 1687 ICL and RTL

Damjanovic, Aleksa; **Jutman, Artur**; Portolan, Michele; Tsertov, Anton 2019 IEEE International Test Conference (ITC) 2019 / paper. 7.3, 8 p. : ill <https://doi.org/10.1109/ITC44170.2019.9000181>

Situatsiooniteadlikkus küberfüüsilistes süsteemides

Preden, Jürgo-Sören A & A 2010 / 4, lk. 40-47 : ill https://artiklid.elnet.ee/record=b2286483*est

Software for an advanced DD system

Jaaksoo, Ülo; Hanson, Vello Preprints 1st IFAC/IFIP Symposium on Software for Computer Control, SOCOCO-76 : Tallinn, USSR, May 25-28, 1976 1976 / p. [?] https://www.ester.ee/record=b1291026*est

Some remarks on time modelling in interactive computing systems [Electronic resource]

Mõtus, Leo; Meriste, Merik Proceedings of the International Conference on Advances in Infrastructure for Electronic Business, Education, Science and Medicine on the Internet, L'Aquila, Italy, 2002 2002 / [7] p. [CD-ROM]

Sound localization and processing for inducing synesthetic experiences in virtual reality

Tepļakov, Aleksei; Astapov, Sergei; Petlenkov, Eduard; Vassiljeva, Kristina; Draheim, Dirk BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 159-162 : ill http://www.ester.ee/record=b2150914*est

Specialized cyber red team responsive computer network operations = Vastutegevusele orienteeritud punase

meeskonna küberoperatsioonid

Blumbergs, Bernhards 2019 <https://digi.lib.ttu.ee/?12015>

STATOS - a computer system for socio-economic data analysis

Õunapuu, Enn Data processing. Compiler writing. Programming 1986 / p. 43-49

A suite of IEEE 1687 benchmark networks

Tšertov, Anton; Jutman, Artur; Devadze, Sergei 2016 IEEE International Test Conference (ITC) : proceedings 2016 / art. 6.1, p. 1-10 : ill <https://doi.org/10.1109/TEST.2016.7805840>

Supporting end-to-end data propagation delay analysis for TSN-based distributed vehicular embedded systems

Houtan, Bahar; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad Journal of Systems Architecture 2023 / art. 102911 <https://doi.org/10.1016/j.sysarc.2023.102911>

A synthesis-agnostic behavioral fault model for high gate-level fault coverage

Karputkin, Anton; Raik, Jaan 2016 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2016 / p. 1124-1127 : ill <https://ieeexplore.ieee.org/document/7459477/figures#figures>

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

A system for CAD/CAM software development and implementation

Tamm, Boris, inform.; Küttner, Rein; Vilipõld, Jüri; Pruuden, Juhan Computers in industry 1984 / p. 367-376

A systematic approach to define requirements and engineer the ontology for semantically merging data sets for personal-Centric healthcare systems

Kormiltsõn, Aleksandr CAiSE 2018 Doctoral Consortium 2018 / p. 91 - 99 <https://ceur-ws.org/Vol-2114/paper11.pdf> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

SystemC-based loose models : RTL abstraction for design understanding

Abrar, Syed Saif; Jenihhin, Maksim; Raik, Jaan Workshop on Design Automation for Understanding Hardware Designs DUHDe 2015 : Grenoble, March 13, 2015 2015 / p. 1-6

SystemC-based loose models for simulation speed-up by abstraction of RTL IP cores

Abrar, Syed Saif; Jenihhin, Maksim; Raik, Jaan 2015 IEEE 18th International Symposium on Design and Diagnostics of Electronic Circuits & Systems DDECS 2015 : 22-24 April 2015, Belgrade, Serbia : proceedings 2015 / p. 71-74 : ill <http://dx.doi.org/10.1109/DDECS.2015.39>

Taltech avaldas, mis erialad toovad taskusse kahekordse keskmise palga

postimees.ee 2023 [Taltech avaldas, mis erialad toovad taskusse kahekordse keskmise palga](#)

Tark tolm

Preden, Jürjo-Sören Akadeemia 2006 / 7, lk. 1577-1586 https://artiklid.elnet.ee/record=b2009603*est

Tarkvara usaldusväarsusega seotud praktikatest ja suundumustest lennukitööstuses. Gene-Auto projekti kogemuste põhjal

Toom, Andres A & A 2011 / 2, lk. 10-27 : ill https://artiklid.elnet.ee/record=b2431011*est

Tehnikaülikool andis oma arvutid ajutiselt üleilmse superarvutisüsteemi käsutusse [Võrguväljaanne]

Weidebaum, Reet; **Lung, Marti** err.ee 2020 / video [Tehnikaülikool andis oma arvutid ajutiselt üleilmse superarvutisüsteemi käsutusse](#)

Test configurations for diagnosing faulty links in NoC switches

Raik, Jaan; Ubar, Raimund-Johannes; Govind, Vineeth Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuseum 2007 / lk. 33-37 : ill

Test time minimization for hybrid BIST of core-based systems

Jervan, Gert; Eles, Petru; Peng, Zebo; Ubar, Raimund-Johannes; Jenihhin, Maksim Journal of computer science and technology 2006 / 6, p. 907-912 : ill <https://link.springer.com/article/10.1007/s11390-006-0907-x>

The 2016 BBN Georgian telephone speech keyword spotting system

Alumäe, Tanel; Karakos, Damianos; Hartmann, William 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 5755-5759 : tab <https://doi.org/10.1109/ICASSP.2017.7953259> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The database normalization theory and the theory of normalized systems : finding a common ground
Eessaar, Erki Baltic journal of modern computing 2016 / p. 5-33 : ill

A theoretical investigation on consideration of initial conditions in fractional-order transfer function modeling

Alagoz, Baris Baykant; **Tepljakov, Aleksei; Petlenkov, Eduard**; Yeroglu, Celaledin 2017 40th International Conference on Telecommunications and Signal Processing TSP : July 5-7, 2017, Barcelona, Spain 2017 / p. 710-713 : ill
<https://doi.org/10.1109/TSP.2017.8076080>

Time-domain identification of one noninteger order plus time delay models from step response measurements

Alagoz, Baris Baykant; **Tepljakov, Aleksei**; Ates, Abdullah; **Petlenkov, Eduard**; Yeroglu, Celaledin International journal of modeling, simulation, and scientific computing 2019 / art. 1941011, 22 p. : ill <https://doi.org/10.1142/S1793962319410113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Total factor productivity growth in Central and Eastern Europe before, during and after the global financial crisis

Levenko, Natalia; Oja, Kaspar; **Staehr, Karsten** Post-Communist Economies 2019 / p. 137-160
<https://doi.org/10.1080/14631377.2018.1460713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transient computing pour les réseaux de capteurs sans fil à récolte d'énergie : méthodes d'hibernation et aspects architecturaux

Le Moullec, Yannick; Diguët, Jean-Philippe Compas 2016 : Conférence d'informatique en Parallélisme, Architecture et Système 2016 : Lorient, France, 5-8 July 2016 2016 / [8] p

Tõrketaluvus kommertsarvutisüsteemides

Petermann, Viktor; **Paluoja, Rein** A & A 2000 / 5, lk. 7-17 : ill https://artiklid.elnet.ee/record=b1005190*est

Tähtenduse reflektsooniist kuuetuhande alt

Luts, Martin A & A 2008 / 6, lk. 3-4

Väljakutsed küber-füüsiliste süsteemide loomisel

Preden, Jürjo-Sören Inseneeria 2011 / lk. 36-37 : ill https://artiklid.elnet.ee/record=b2369619*est
https://www.ester.ee/record=b1519314*est

О технологии построения проблемно-ориентированных систем обработки данных

Võhandu, Leo; Mikli, Toomas; Terandi, Jaak Обработка данных, построение трансляторов, вопросы программирования 1983 / с. 13-19 https://www.ester.ee/record=b1293913*est <https://www.etera.ee/zoom/120968/view?page=1&p=separate&search>

Об одной методике создания интегрированных систем обработки данных

Võhandu, Leo; Mikli, Toomas; Rõbovõitra, Mati; Tombak, Mati Труды Вычислительного центра 1974 / с. 3-6
https://www.ester.ee/record=b1181233*est

Организация программирования в системе "СОДИ"

Mikli, Toomas Очерки по обработке информации и функциональному анализу 1971 / с. 15-20 : илл
https://www.ester.ee/record=b1356667*est <https://digikogu.taltech.ee/et/Item/a431c49f-a972-4e58-916b-947eea59962d>

Подход к организации данных для логического проектирования цифровых систем

Alango, Villem; Kitsnik, Peeter; Kont, Toomas Методы синтеза и диагностирования цифровых схем 1985 / с. 35-43

Принципы организации больших массивов информации в системе "СОДИ"

Mikli, Toomas; Tombak, Mati Очерки по обработке информации и функциональному анализу 1971 / с. 21-30 : илл
https://www.ester.ee/record=b1356667*est <https://digikogu.taltech.ee/et/Item/a431c49f-a972-4e58-916b-947eea59962d>

Проект EDI : [рассказывает председатель правления АО EDI ВЕКТОР Прийт Пыдра]

Põdra, Priit Транзит 2000 / 6, с. 41 https://artiklid.elnet.ee/record=b1005826*est

Технология синтеза систем обработки данных

Võhandu, Leo; Jokk, Viivi; Õunapuu, Enn II Всесоюзная конференция "Технология программирования" 1986 / с. 118-119

Эффективность систем обработки данных

Luczkowski, Teodor Обработка данных, построение трансляторов, вопросы программирования 1983 / с. 21-30
https://www.ester.ee/record=b1293913*est <https://www.etera.ee/zoom/120968/view?page=1&p=separate&search>