

Adaptive futures : scalability for real-world computing

Helander, Johannes; **Serg, Risto**; Veanes, Margus; Roy, Pritam Proceedings of 28th IEEE International Real-Time Systems Symposium : Tucson, Arizona, 3-6 December 2007 2007 / p. 105-116 : ill
<https://ieeexplore.ieee.org/document/4408296/keywords#keywords>

An Accelerator-based architecture utilizing an efficient memory link for modern computational requirements

Yousefzadeh, Saba; Basharkhah, Katayoon; **Raik, Jaan**; **Jenihhin, Maksim** 2019 IEEE East-West Design & Test Symposium (EWDTS) 2019 / 6 p. : ill <https://doi.org/10.1109/EWDTS.2019.8884481>

An approach to model development for embedded testing

Timohovich, E. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 353-358

Applying FPGA partial reconfiguration for digital system simulation

Arhipov, Anton; **Ellervee, Peeter** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 145-148 : ill

An automated configuration framework for TSN networks

Houtan, Bahar; Bergström, Albert; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Mubeen, Saad 2021 22nd IEEE International Conference on Industrial Technology (ICIT) : proceedings 2021 / p. 771-778 <https://doi.org/10.1109/ICIT46573.2021.9453628>

Automatic code generation for embedded systems from high-level models

Riid, Andri; **Preden, Jürjo-Sören**; **Pahtma, Raido**; **Serg, Risto**; **Lints, Taivo** Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 7, p. 33-36 <https://eejournal.ktu.lt/index.php/elt/article/view/10035>

Automatic code generation for safety critical embedded systems: developments in the Gene-Auto project

Toom, Andres Thirteenth Estonian Winter School in Computer Science (EWSCS'08) : Park Hotel Palmse, Lahemaa, Estonia : March 2-7, 2008 2008 / [1] p. (Student talks and posters 2008 (abstracts))

AutoRIO : an indoor testbed for developing autonomous vehicles

Loni, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael 2018 Proceedings of the Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC) : December 16-18, 2018 Alexandria, Egypt 2018 / p. 69-72 : ill
<https://doi.org/10.1109/JEC-ECC.2018.8679543>

CapsNet on embedded devices in a data scarce scenario

Ezechukwu, Dismas Ndubuis; **Le Moullec, Yannick** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l.
<https://doi.org/10.1109/BEC56180.2022.9935600>

Challenges for real-time systems engineering. Part 1, State of the art

Mõtus, Leo; Vingerhoeds, Robertus A.; Meriste, Merik Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 1, p. 3-17

Challenges for real-time systems engineering. Part 2, Towards time-aware technology

Mõtus, Leo; Vingerhoeds, Robertus A.; Meriste, Merik Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 1, p. 18-30

Compilation of heterogeneous models : motivations and challenges

Bordin, Matteo; **Näks, Tõnu**; **Toom, Andres**; Pantel, Marc ERTS2 2012 : Embedded Real Time Software and Systems : [1st - 3rd February 2012, Toulouse, France : proceedings] 2012 / [10 p.] <https://www.adacore.com/papers/compilation-of-heterogeneous-models-motivations-and-challenges1>

Compilation of heterogeneous models : motivations and challenges

Bordin, Matteo; **Näks, Tõnu**; **Toom, Andres**; Pantel, Marc 6th European Congress ERTS2 2012 : Embedded Real Time Software and Systems : 1-3 February 2012, Toulouse, France : book of abstracts 2012 / p. 147 <https://www.adacore.com/papers/compilation-of-heterogeneous-models-motivations-and-challenges1>

CONRAD - a system for evaluating behavioural properties of embedded software

Mõtus, Leo; **Vain, Jüri** Preprints 10th IFAC Workshop on Distributed Computer Control Systems, Semmering, Austria, Sept. 9-11, 1991 1991

CREDES Summer School : Dependable Systems Design : handouts

2011 http://www.estee.ee/record=b2891192*est

Data type dependent energy consumption estimation

Ruberg, Priit; **Lass, Keijo**; **Ellervee, Peeter** 2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark 2016 / [5] p. : ill <https://doi.org/10.1109/NORCHIP.2016.7792916>

Design optimization of smart composite structures with embedded devices = Integreeritud elektroonikakomponentidega targa komposiitmaterjali väljatöötamine

Herranen, Henrik 2014 https://www.ester.ee/record=b3092011*est

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](#)

Developing multi-view Contracts using Event-B and Upaal Timed Automata

Vain, Jüri; Tsiopoulos, Leonidas; Guin, Jishu 2016 21st International Conference on Engineering of Complex Computer Systems : ICECCS 2016 : Dubai, United Arab Emirates, 6-8 November 2016 : proceedings 2016 / p. 126-134 : ill <https://doi.org/10.1109/ICECCS.2016.024>

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>

EFIC-ME : a fast emulation based fault injection control and monitoring enhancement

Abideen, Zain UI; Rashid, Muhammad Haroon IEEE Access 2020 / p. 207705-207716 <https://doi.org/10.1109/ACCESS.2020.3038198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ELC-ECG: efficient LSTM cell for ECG classification based on quantized architecture

Mirsalari, Seyed Ahmad; Nazari, Najmeh; Ansarmohammadi, Seyed Ali; Sinaei, Sima; Salehi, Mostafa E.; **Daneshtalab, Masoud** 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISCAS51556.2021.9401261> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Embedded diagnosis in digital systems

Kostin, Sergei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 81-84 : ill

Embedded diagnosis in digital systems

Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan 2008 26th International Conference on Microelectronics : Niš, Serbia, 11-14 May 2008 : proceedings. Vol. 2 2008 / p. 421-424 : ill

Embedded fault diagnosis in digital systems with BIST

Ubar, Raimund-Johannes; Kostin, Sergei; Raik, Jaan Microprocessors and microsystems 2008 / 5/6, p. 279-287 : ill

Embedded software performance estimations at different compiler optimisation levels

Ruberg, Priit; Lass, Keijo; Liiv, Elvar; Ellervee, Peeter Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia 2017 / p. 1-6 : ill <https://doi.org/10.1109/AIEEE.2017.8270530>

Embedded software solutions for development of marine navigation light system = Sardtarkvara lahendused valgusnavigatsiooni süsteemide arendusel

Moorits, Erkki 2016 <http://digi.lib.ttu.ee/i/?6383>

Embedded system and robotic education in a blended learning environment utilizing remote and virtual labs in the cloud, accompanied by "Robotic HomeLab Kit"

Sell, Raivo; Seiler, Sven; Ptasik, Dennis International journal of emerging technologies in learning (IJET) 2012 / p. 26-33 : ill <https://online-journals.org/index.php/i-jet/article/view/2245>

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

Embedded test processors (ETP)

Petersen, Kim; Magnhagen, Bengt; Linden, Henric BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 89-92: ill

End-to-end timing modeling and analysis of TSN in component-based vehicular software

Houtan, Bahar; Aybek, Mehmet Onur; Ashjaei, Mohammad; **Daneshtalab, Masoud**; Sjödin, Mikael; Lundbäck, John; Mubeen, Saad 2023 IEEE 26th International Symposium on Real-Time Distributed Computing (ISORC) 2023 / p. 126-135 <https://doi.org/10.1109/ISORC58943.2023.00025>

Energy consumption and performance estimation of embedded software = Sardtarkvara energiatarbe ja jõudluse ennustamine

Ruberg, Priit 2018 <https://digi.lib.ttu.ee/i/?10704> https://www.ester.ee/record=b5152952*est

Environment for distance study of embedded system programming

Ermits, Margus; Tammemäe, Kalle AMIES 2008 - 7th International Conference and Workshop on Ambient Intelligence and Embedded Systems : 10 - 12 September, 2008 Kiel, Germany 2008 / 8 p. : ill

Fault-aware performance assessment approach for embedded networks

Malburg, Jan; Janson, Karl; Raik, Jaan; Dannemann, Frank 2019 22nd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS), Cluj-Napoca, Romania : proceedings 2019 / 4 p. : ill
<https://doi.org/10.1109/DDECS.2019.8724670>

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

FPGA-based embedded virtual instrumentation = FPGA-sisesed virtuaalsed test- ja mõõtevahendid

Aleksejev, Igor 2013 http://www.ester.ee/record=b2927687*est

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

Functional self-test of high-performance pipe-lined signal processing architectures

Gorev, Maksim; Ubar, Raimund-Johannes; Ellervee, Peeter; Devadze, Sergei; Raik, Jaan; Min, Mart Microprocessors and microsystems 2015 / p. 909-918 : ill <https://doi.org/10.1016/j.micpro.2014.11.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A generic scheme for communication representation and mapping

Meincke, Thomas; Jantsch, Axel; Ellervee, Peeter; Hemani, Ahmed; Tenhunen, Hannu 17th NORCHIP Conference : Oslo, Norway, 8-9 November 1999 : proceedings 1999 / p. 334-339 : ill
https://www.researchgate.net/publication/2598862_A_Generic_Scheme_for_Communication_Representation_and_Mapping

Graph embedding in boolean hypercube

Fomina, Jelena; Zakrevskij, Arkadij 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. 131-134 : ill

Guest editorial : Special issue on parallel, distributed, and network-based processing in next-generation embedded systems

Mubeen, Saad; Lo Bello, Lucia; Daneshtalab, Masoud; Saponara, Sergio Journal of Systems Architecture : the EUROMICRO Journal 2021 / art. 102159 <https://doi.org/10.1016/j.sysarc.2021.102159>

Hardware/software co-design for programmable systems-on-chip

Sklyarov, Valery; Skliarova, Iuliia; Silva, João; Rjabov, Artjom; Sudnitsõn, Aleksander; Cardoso, Cláudia 2014
http://www.ester.ee/record=b3087107*est

High-speed matrix processor for embedded systems

Plaks, Toomas Proceedings of International Workshop on Mechatronical Computer Systems for Perception and Action, Halmstad, Sweden, June 1-3, 1993 1993 / p. 105-112

Holistic IJTAG-based external and internal fault monitoring in UAVs

Ahmed, Foisal; Jenihhin, Maksim arXiv.org 2023 / 6 p. : ill <https://doi.org/10.48550/arXiv.2303.01816>

Hybrid BIST optimization for core-based systems with test pattern broadcasting

Ubar, Raimund-Johannes; Jenihhin, Maksim; Jervan, Gert; Peng, Zebo DELTA 2004 : second IEEE International Workshop on Electronic Design, Test and Applications : 28-30 January 2004, Perth, Australia : proceedings 2004 / p. 3-8 : ill
<https://ieeexplore.ieee.org/document/1409808>

Hybrid BIST time minimization for core-based systems with STUMPS architecture

Jervan, Gert; Eles, Petru; Peng, Zebo; Ubar, Raimund-Johannes; Jenihhin, Maksim 18th IEEE International Symposium on Defect and Fault Tolerance in VLSI Systems : 3-5 November 2003, Boston, Massachusetts : proceedings 2003 / p. 225-232 : ill
<https://ieeexplore.ieee.org/document/1250116>

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*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>

IEEE P1687 JTAG demonstrator on FPGA

Shibin, Konstantin; **Aleksejev, Igor**; **Jutman, Artur**; **Devadze, Sergei** DATE 2012 University Booth : Design Automation and Test in Europe : Dresden, Germany, March 12-16, 2012 2012 / 1 p. : ill
https://www.academia.edu/22101517/IEEE_P1687_JTAG_demonstrator_on_FPGA

Integrated concept for embedded system study

Sell, Raivo; **Seiler, Sven** 7th International Conference Mechatronics Systems and Materials MSM 2011 : Kaunas, Lithuania, 7-9 July, 2011 : abstracts book and full papers CD 2011 / p. 14-15
https://www.researchgate.net/publication/257654723_Integrated_Concept_for_embedded_system_study

Invited paper: System-Wide Fault Management based on IEEE P1687 JTAG

Jutman, Artur; **Devadze, Sergei**; **Aleksejev, Jevgeni** 6th International Workshop on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC) : 20-22 June 2011, Montpeillier, France 2011 / [4] p.: ill <https://ieeexplore.ieee.org/document/5981520>

IRSYD : an internal representation for heterogeneous embedded systems

Ellervee, Peeter Proceedings of NORCHIP'98 Conference, November 9-10, 1998, Lund, Sweden 1998 / p. 214-221 : ill

Kõigile meeldivad targad tooted - tehkem siis rohkem koos- ja arendustööd!

Sarv, Mari **Õõ** Mente et Manu 2018 / lk. 36-37 : fot <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/>
https://www.ester.ee/record=b1242496*est https://artiklid.elnet.ee/record=b2836035*est

Lattice-based threshold signature implementation for constrained devices

Dobias, Patrik; **Ricci, Sara**; **Dzurenda, Petr**; **Malina, Lukas**; **Snetkov, Nikita** Proceedings of the 20th International Conference on Security and Cryptography (SECRYPT 2023). Vol. 1 2023 / p. 724-730 <https://doi.org/10.5220/0012112700003555>

Learning situations and remote labs in embedded system education

Sell, Raivo; **Seiler, Sven** Proceedings of 14th International Workshop on Research and Education in Mechatronics 2013 / p. 97-101 : ill https://www.researchgate.net/publication/256116848_Learning_Situations_and_Remote_Labs_in_Embedded_System_Education

Mapping of VHDL structures for generic EDA database format IRSYD

Ivask, Eero; **Ellervee, Peeter** The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 317-320 : ill

Missioonikriitiliste sardsüsteemide arendamise nimel : [Integreeritud Elektroonikasüsteemide ja Biomeditsiinitehnika Tippkeskusest : intervjuu Raimund Ubari ja Gert Jervaniga]

Ubar, Raimund-Johannes; **Jervan, Gert**; **Ummelas, Mart** Mente et Manu 2009 / 30. jaan., lk. 1, 3 : ill ; 16. veebr., lk. 5 : ill
https://www.ester.ee/record=b1242496*est

Modal embeddings and calling paradigms

Santo, José Espírito; **Pinto, Luís**; **Uustalu, Tarmo** Days in Logic 2022 : Universidade do Algrave, June 30-July 2, 2022 2022 / 20 p
<https://drops.dagstuhl.de/opus/volltexte/2019/10525/pdf/LIPics-FSCD-2019-18.pdf> <https://daysinlogic2022.ualg.pt/wp-content/uploads/2022/06/BookletDIL2022.pdf>

Model driven development of networked embedded systems

Karpištšenko, Andre Eleventh Estonian Winter School in Computer Science (EWSCS'06) : Park Hotel Palmse, Lahemaa, Estonia : March 5-10, 2006 2006 / [1] p

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

Model-based synthesis of reactive planning on-line testers for non-deterministic embedded systems

Kääramees, Marko; **Vain, Jüri**; **Raiend, Kullo** 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. 189-192 : ill

Motivation-driven learning processes at the example of embedded systems

Hollstein, Thomas; **Reinsalu, Uljana**; **Leier, Mairo** 10th European Workshop on Microelectronics Education : EWME 2014 : May 14-16, 2014, Tallinn, Estonia 2014 / p. 3-6 : ill

MPM4CPS : Multi-Paradigm Modelling for Cyber-Physical Systems

Vangheluwe, Hans; Amaral, Vasco; **Norta, Alexander** STAF16-DS-PS 2016 : STAF 2016 Doctoral Symposium and Projects Showcase : joint proceedings of the Doctoral Symposium and Projects Showcase Held as Part of STAF 2016 co-located with Software Technologies : Applications and Foundations (STAF 2016) : Vienna, Austria, July 4-7, 2016 / p. 40-47 <http://ceur-ws.org/Vol-1675/> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Multi-level binarized LSTM in EEG classification for wearable devices

Nazari, N.; Mirsalari, Seyed Ahmad; Sinaei, S.; Salehi, M.E.; **Daneshtalab, Masoud** 2020 28th Euromicro International Conference on Parallel, Distributed and Network-Based Processing : PDP 2020, Västerås, Sweden, 11-13 March 2020 / p. 175-181 <https://doi.org/10.1109/PDP50117.2020.00033>

Märkmikmälu sardsüsteemis

Toomsalu, Arvo A & A 2011 / 1, lk. 9-18 : ill https://artiklid.elnet.ee/record=b2401506*est

New categories of Safe Faults in a processor-based Embedded System

Gürsoy, Cemil Cem; Jenihhin, Maksim; Oyeniran, Adeboye Stephen; Piumatti, Davide; Raik, Jaan; Sonza Reorda, Matteo; **Ubar, Raimund-Johannes** 2019 22nd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS), Cluj-Napoca, Romania : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/DDECS.2019.8724642>

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 / p. 372-377 : ill <https://doi.org/10.1109/IDAACS47747.2019>

Optimization of built-in self-test in digital systems = Sisseehitatud enesetestimise optimeerimine digitaalsüsteemides

Kruus, Helena 2011

Optimization of memory-constrained hybrid BIST for testing core-based systems

Jervan, Gert; Kruus, Helena; Orasson, Elmet; Ubar, Raimund-Johannes Proceedings of the IEEE 2nd International Symposium on Industrial Embedded Systems : SIES'2007 : Lisbon, Portugal, 4-6 July 2007 / p. 71-77 <https://ieeexplore.ieee.org/document/4297319>

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>

Preface

Ubar, Raimund-Johannes; Raik, Jaan; Vierhaus, Heinrich Theodor Design and test technology for dependable systems-on-chip 2011 / p. xxii-xxviii

Profiling in deeply embedded systems

Moorits, Erkki; Jervan, Gert BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 127-230

Run-time reconfigurable instruments for advanced board-level testing

Aleksejev, Igor; Jutman, Artur; Devadze, Sergei IEEE AUTOTESTCON 2016 : Anaheim, California, USA, September 12-15, 2016 : proceedings 2016 / p. 385-392 : ill <https://doi.org/10.1109/AUTEST.2016.7589627>

Run-time reconfigurable instruments for advanced board-level testing

Aleksejev, Igor; Jutman, Artur; Devadze, Sergei IEEE instrumentation & measurement magazine 2017 / p. 23-30 : ill <https://doi.org/10.1109/MIM.2017.8006390>

Sardsüsteemide õppe- ja teaduslabor Tallinna Tehnikaülikooli arvutitehnika instituudis

Jervan, Gert E-õppe uudiskiri 2011 / lk. 9 : fot <http://uudiskiri.e-oee.ee>

Sektorite koostöös valmis maailmalõpuriietus

Mente et Manu 2017 / lk. 11 : fot http://www.ester.ee/record=b1242496*est https://artiklid.elnet.ee/record=b2830863*est

(Semi-)Automatic generation of Uppaal models for model checking embedded control systems

Ernits, Juhan-Peep; Vain, Jüri 14th Nordic Workshop on Programming Theory : NWPT 2002, Tallinn, Estonia, 20-22 November 2002 : abstracts 2002 / p. 45-46

Siluliides sardsüsteemidele

Toomsalu, Arvo A & A 1999 / 3, lk. 15-20

Sisseehitatud isetestimine digitaalsüsteemides

Kruus, Helena A & A 2011 / lk. 32-37 : ill https://artiklid.elnet.ee/record=b2472216*est

Software implementation of FOPID controllers with tuning capability for fractional FOPDT plants

Tepljakov, Aleksei; Alagoz, Baris Baykant 44th International Conference on Telecommunications and Signal Processing (TSP) 2021 / p. 199-203 <https://doi.org/10.1109/TSP52935.2021.9522602>

Stipendiumi- ja praktikaprogramm sardsüsteemide inseneride väljaõppeks

Studioosus 2012 / lk. 17 https://www.ester.ee/record=b1558644*est

Switches and jumps in hybrid action systems

Rönkkö, Mauno; Ravn, Anders P. Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 2, p. 106-118

Süvatehnoloogiate alternatiivsed arengutrajektoolid ja nende tähendus Eestile : lõpparuanne

Koppel, Kaupo; Kuusik, Alar; Arrak, Kadri; Raik, Jaan; Niidu, Allan; Kõks, Kerttu-Liis; Lahtvee, Petri-Jaan 2023 <https://media.voog.com/0000/0037/5345/files>

Synchronization, calibration and triggering of IEEE 1687 embedded instruments

Jutman, Artur; Devadze, Sergei; Shibin, Konstantin The Seventeenth Workshop on RTL and High Level Testing (WRTL'16) : November 24-25, 2016, Aki Grand Hotel, Hiroshima, Japan 2016 / [6] p

System level optimizations in wearable wireless networks = Kantavate seadmete võrkude süsteemi tasemel optimeerimine

Khan, Rida 2021 https://www.ester.ee/record=b5403571*est <https://digikogu.taltech.ee/et/Item/5d6402a5-a537-4bf4-a5e0-988b8685228b> <https://doi.org/10.23658/taltech.10/2021>

System level power-performance trade-offs in embedded systems using voltage and frequency scaling of off-chip buses and memory

Puttaswamy, Kiran; Choi, Kyu-Won; Park, Jun Cheol; Mooney III, Vincent J.; Chatterjee, Abhijit; Ellervee, Peeter ISSS'02, October 2-4, 2002, Kyoto, Japan 2002 / p. 225-230 : ill <https://ieeexplore.ieee.org/document/1227182>

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>

System-level design of NoC-based dependable embedded systems

Tagel, Mihkel; Ellervee, Peeter; Jervan, Gert Design and test technology for dependable systems-on-chip 2011 / p. 1-36 : ill https://pld.ttu.ee/~raiub/BOOK_content/Section_1/Ch11_jervan/Ch11_jervan_.pdf

TAS : Ternarized Neural Architecture Search for Resource-Constrained Edge Devices

Loni, Mohammad; Mousavi, Hamid; Riazati, Mohammad; Daneshtalab, Masoud; Sjödin, Mikael 2022 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2022 / p. 1115-1118 <https://doi.org/10.23919/DATE54114.2022.9774615>

Teaching embedded systems as a part of a computer engineering curricula

Jervan, Gert; Gorev, Maksim; Pesonen, Vadim 23rd EAEEIE annual conference, Cagliari, Italy, February 26-27, 2012 2012 / p. 1-4

Teaching robotics and embedded systems as a learning chain of different subjects [Electronic resource]

Ernits, Margus; Hakk, Kristiina; Tammemäe, Kalle 8th International Conference and Workshop on Ambient Intelligence and Embedded Systems : Funchal, Madeira, Portugal 2009 / ? p. [CD-ROM] https://www.fh-kiel.de/fileadmin/data/iue/forschung/konferenzen/amies_2009/margus_ernits_amies_madeira_2009.pdf

Teaching Software-intensive embedded systems at Tallinn Technical University

Mõtus, Leo Real-Time Systems in Education III : November 21, 1998, Poznan, Poland : proceedings 1999 / p. 30-35

Testing beyond the SoCs in a lego style

Tšertov, Anton; Jutman, Artur; Devadze, Sergei Proceedings of IEEE East-West Design & Test Symposium (EWDTS'10) : St. Petersburg, Russia, September 17-20, 2010 2010 / p. 334-338 : ill <https://ieeexplore.ieee.org/document/5742052>

Testing technique for embedded ADC

Zagursky, V.; Gertners, A. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998,

Tallinn, Estonia : proceedings 1998 / p. 167-170: ill

The influence of embedded electronics on the structural performance in carbon fiber laminates

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Pohlak, Meelis; Allikas, Georg; Pabut, Ott; Lend, Henri Proceedings of the International Conference on Mechanics of Nano, Micro and Macro Composite Structures : 18 to 20 June 2012 2012 / [2 p.]

The international cooperation on remote laboratories conducted with engineering didactics

Sell, Raivo; Rütütmann, Tiia Proceedings of 2014 11th International Conference on Remote Engineering and Virtual Instrumentation (REV) : 26-28 February 2014 in Porto, Portugal 2014 / p. 187-190 : ill

Time-Sensitive Networking in automotive embedded systems : state of the art and research opportunities

Ashjaei, Mohammad; Bello, Lucia Lo; **Daneshtalab, Masoud**; Patti, Gaetano; Saponara, Sergio; Mubeen, Saad Journal of Systems Architecture : the EUROMICRO Journal 2021 <https://doi.org/10.1016/j.sysarc.2021.102137>

Timing analysis of real-time software

Mõtus, Leo; Rodd, Michael G. 1994 https://www.ester.ee/record=b1031469*est

Towards reliable code generation with an open tool : evolutions of the Gene-Auto toolset

Toom, Andres; Izerrouken, N.; **Näks, Tõnu**; Pantel, M.; Ssi Yan Kai, O. Ingénieurs de l'Automobile 2010 / p. 29-35
<https://hal.science/hal-02267640/document>

Towards reliable code generation with an open tool : evolutions of the gene-auto toolset

Toom, Andres; Izerrouken, N.; **Näks, Tõnu**; Pantel, M.; Ssi Yan Kai, O. 5th International Congress and exhibition ERTS2 2010 : Embedded Real Time Software and Systems : 19-21 May 2010, Toulouse, France 2010 / [10] p <https://hal.science/hal-02267640/document>

Trajectory generation for autonomous mobile robots

Vu, Trieu Minh Computational intelligence for decision support in cyber-physical systems 2014 / p. 195-214 : ill
https://doi.org/10.1007/978-981-4585-36-1_6 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

TTBist: a DfT tool for enhancing functional test for SoC

Hermann, K.; **Raik, Jaan; Jenihhin, Maksim** 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. 191-194 : ill

Using soft-core processors and FPGA development boards for hardware emulation

Arhipov, Anton; Ellervee, Peeter Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 155-158 : ill

Using XML web services for embedded systems interoperability. World's smallest Web 2.0 server demo

Serg, Risto; Helander, Johannes Advances in Pervasive Computing : adjunct proceedings of the 6th International Conference on Pervasive Computing : Sydney, Australia 2008 / p. 111-114 <https://www.microsoft.com/en-us/research/wp-content/uploads/2008/05/d3.pdf>

Uuring: Eesti majanduse veduriks võib saada kuus tehnoloogiavaldkonda

Bioneer.ee 2023 [Uuring: Eesti majanduse veduriks võib saada kuus tehnoloogiavaldkonda](#)

Vanamoodi enam ei saa, uutmoodi veel ei oska

Rang, Toomas Profit 2005 / 4, lk. 22 : portr

Динамика программного обеспечения встроенных систем

Mõtus, Leo 1990 https://www.ester.ee/record=b1235726*est

Создание и исследование принципов и методов анализа и проектирования программного обеспечения встроенных систем АСУ ТП : автореферат ... доктора технических наук (05.13.11, 05.13.06)

Mõtus, Leo 1989 https://www.ester.ee/record=b2339617*est