An Accelerator-based architecture utilizing an efficient memory link for modern computational requirementsYousefzadeh, Saba; Basharkhah, Katayoon; Raik, Jaan; Jenihhin, Maksim2019 IEEE East-West Design & Test Symposium (EWDTS)2019 / 6 p. : illhttps://doi.org/10.1109/EWDTS.2019.8884481

AutoRIO : an indoor testbed for developing autonomous vehiclesLoni, Mohammad; Daneshtalab, Masoud; Sjödin, Mikael2018 Proceedings of the Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC) : December 16-18, 2018 Alexandria, Egypt2018 / p. 69-72 : illhttps://doi.org/10.1109/JEC-ECC.2018.8679543

CapsNet on embedded devices in a data scarce scenarioEzechukwu, Dismas Ndubuis; Le Moullec, Yannick2022 18th Biennial Baltic Electronics Conference (BEC)2022 / 6 l.https://doi.org/10.1109/BEC56180.2022.9935600

CONRAD - a system for evoluating behavioural properties of embedded softwareMõtus, Leo; Vain, JüriPreprints 10th IFAC Workshop on Distributed Computer Control Systems, Semmering, Austria, Sept. 9-11, 19911991

CREDES Summer School : Dependable Systems Design : handouts2011http://www.ester.ee/record=b2891192*est

Data type dependent energy consumption estimationRuberg, Priit; Lass, Keijo; Ellervee, Peeter2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark2016 / [5] p. : illhttps://doi.org/10.1109/NORCHIP.2016.7792916

Design optimization of smart composite structures with embedded devices = Integreeritud elektroonikakomponentidega targa komposiitmaterjali väljatöötamineHerranen, Henrik2014

Designing reliable cyber-physical systemsAleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; Devadze, Sergei; Jenihhin, Maksim; Jutman, Artur; Raik, Jaan; Shibin, KonstantinLanguages, design methods, and tools for electronic system design : selected contributions from FDL 20162018 / p. 15-38 : illhttps://doi.org/10.1007/978-3-319-62920-9_2

Developing multi-view Contracts using Event-B and Uppaal Timed AutomataVain, Jüri; Tsiopoulos, Leonidas; Guin, Jishu2016 21st International Conference on Engineering of Complex Computer Systems : ICECCS 2016 : Dubai, United Arab Emirates, 6-8 November 2016 : proceedings2016 / p. 126-134 : illhttps://doi.org/10.1109/ICECCS.2016.024

EFIC-ME: A fast emulation based fault injection control and monitoring enhancementAbideen, Zain Ul; Rashid, Muhammad HaroonIEEE Access2020 / p. 207705-207716https://doi.org/10.1109/ACCESS.2020.3038198

ELC-ECG: efficient LSTM cell for ECG classification based on quantized architectureMirsalari, Seyed Ahmad; Nazari, Najmeh; Ansarmohammadi, Seyed Ali; Sinaei, Sima; Salehi, Mostafa E.; Daneshtalab, Masoud2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings2021 / 5 phttps://doi.org/10.1109/ISCAS51556.2021.9401261

Embedded software performance estimations at different compiler optimisation levelsRuberg, Priit; Lass, Keijo; Liiv, Elvar; Ellervee, PeeterAdvances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia2017 / p. 1-6 : illhttps://doi.org/10.1109/AIEEE.2017.8270530

Embedded software solutions for development of marine navigation light system = Sardtarkvara lahendused valgusnavigatsiooni süsteemide arenduselMoorits, Erkki2016http://digi.lib.ttu.ee/i/?6383

Embedded system implementation of digital fractional filter approximations for control applicationsTepljakov, Aleksei; Petlenkov, Eduard; Belikov, JuriProceedings of the 21st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2014 : Lublin, Poland, June 19-21, 20142014 / p. 441-445 : ill

Energy consumption and performance estimation of embedded software = Sardtarkvara energiatarbe ja jõudluse ennustamineRuberg, Priit2018https://digi.lib.ttu.ee/i/?10704

Fault-aware performance assessment approach for embedded networksMalburg, Jan; Janson, Karl; Raik, Jaan; Dannemann, Frank2019 22nd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS), Cluj-Napoca, Romania : proceedings2019 / 4 p. : illhttps://doi.org/10.1109/DDECS.2019.8724670

Formal specification of block libraries in dataflow languagesDieumegard, Arnaud; Toom, Andres; Pantel, Marc7th European Congress Embedded Real-Time Software and Systems, ERTS2 2014 : 5-7 February 2014, Toulouse, France : proceedings2014 / [10] p. : ill

FPGA-based embedded virtual instrumentation = FPGA-sisesed virtuaalsed test- ja mõõtevahendidAleksejev, Igor2013http://www.ester.ee/record=b2927687*est

Fractional-order digital filter approximation method for embedded control applicationsTepljakov, Aleksei; Petlenkov, Eduard; Belikov, JuriInternational journal of microelectronics and computer science2014 / p. 54-60 : ill

Functional self-test of high-performance pipe-lined signal processing architecturesGorev, Maksim; Ubar, Raimund-Johannes; Ellervee, Peeter; Devadze, Sergei; Raik, Jaan; Min, MartMicroprocessors and microsystems2015 / p. 909-918 : illhttp://dx.doi.org/10.1016/j.micpro.2014.11.002

Guest editorial : Special issue on parallel, distributed, and network-based processing in next-generation embedded systemsMubeen, Saad; Lo Bello, Lucia; Daneshtalab, Masoud; Saponara, SergioJournal of Systems Architecture : the EUROMICRO Journal2021 / art. 102159https://doi.org/10.1016/j.sysarc.2021.102159

Hardware/software co-design for programmable systems-on-chipSklyarov, Valery; Skliarova, Iouliia; Silva, João; Rjabov, Artjom; Sudnitsõn, Aleksander; Cardoso, Cláudia2014http://www.ester.ee/record=b3087107*est

High-speed matrix processor for embedded systemsPlaks, ToomasProceedings of International Workshop on Mechatronical Computer Systems for Perception and Action, Halmstad, Sweden, June 1-3, 19931993 / p. 105-112

Hybrid built-in self-test : methods and tools for analysis and optimization of BIST = Sisseehitatud hübriidne isetestimine : meetodid ja vahendid analüüsiks ning optimeerimiseksOrasson, Elmet2007https://www.ester.ee/record=b2305436*est

IEEE 1687 compliant ecosystem for embedded instrumentation access and in-field health monitoringTšertov, Anton; Jutman, Artur; Shibin, Konstantin; Devadze, SergeiIEEE AUTOTESTCON 2018 : National Harbor, September 17-20, 2018 : proceedings2018 / 9 p.: illhttps://doi.org/10.1109/AUTEST.2018.8532559

IRSYD : an internal representation for heterogeneous embedded systemsEllervee, PeeterProceedings of NORCHIP'98 Conference, November 9-10, 1998, Lund, Sweden1998 / p. 214-221 : ill

Kõigile meeldivad targad tooted - tehkem siis rohkem koos- ja arendustööd!Sarv, Mari ÖöMente et Manu2018 / lk. 36-37 : fothttps://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/ http://www.ester.ee/record=b1242496*est

Motivation-driven learning processes at the example of embedded systemsHollstein, Thomas; Reinsalu, Uljana; Leier, Mairo10th European Workshop on Microelectronics Education : EWME 2014 : May 14-16, 2014, Tallinn, Estonia2014 / p. 3-6 : ill

MPM4CPS : Multi-Paradigm Modelling for Cyber-Physical SystemsVangheluwe, Hans; Amaral, Vasco; Norta, AlexanderSTAF16-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, 20162016 / p. 40-47http://ceur-ws.org/Vol-1675/

Multi-level binarized LSTM in EEG classification for wearable devicesNazari, N.; Mirsalari, S.A.; Sinaei, S.; Salehi, M.E.; Daneshtalab, Masoud2020 28th Euromicro International Conference on Parallel, Distributed and Network-Based Processing : PDP 2020, Västerås, Sweden, 11-13 March 20202020 / p. 175-181https://doi.org/10.1109/PDP50117.2020.00033

New categories of Safe Faults in a processor-based Embedded SystemGürsoy, Cemil Cem; Jenihhin, Maksim; Oyeniran, Adeboye Stephen; Piumatti, Davide; Raik, Jaan; Sonza Reorda, Matteo; Ubar, Raimund-Johannes2019 22nd International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS), Cluj-Napoca, Romania : proceedings2019 / 4 p. : illhttps://doi.org/10.1109/DDECS.2019.8724642

NN-SANARX model based control of a water tank system using embedded microcontroller arduinoŠkiparev, Vjatšeslav; Belikov, Juri; Petlenkov, EduardProceedings of the 2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications : IDAACS'2019, 18-21 Sept. 20192019 / p. 372-377 : illhttps://doi.org/10.1109/IDAACS47747.2019

Optimization of built-in self-test in digital systems = Sisseehitatud enesetestimise optimeerimine digitaalsüsteemidesKruus, Helena2011

Practicing start-up culture in teaching embedded systemsReinsalu, Uljana; Azad, Siavoosh Payandeh; Leier, Mairo; Tammemäe, Kalle; Hollstein, ThomasEWME 2016 : 11th European Workshop on Microelectronics Education : May 11-13, 2016, Southampton, UK2016 / [6] p. : illhttps://doi.org/10.1109/EWME.2016.7496463

PrefaceUbar, Raimund-Johannes; Raik, Jaan; Vierhaus, Heinrich TheodorDesign and test technology for dependable systems-on-chip2011 / p. xxii-xxviii

Run-time reconfigurable instruments for advanced board-level testingAleksejev, Igor; Jutman, Artur; Devadze, SergeiIEEE instrumentation & measurement magazine2017 / p. 23-30 : illhttps://doi.org/10.1109/MIM.2017.8006390

Run-time reconfigurable instruments for advanced board-level testingAleksejev, Igor; Jutman, Artur; Devadze, SergeiIEEE AUTOTESTCON 2016 : Anaheim, California, USA, September 12-15, 2016 : proceedings2016 / p. 385-392 : illhttps://doi.org/10.1109/AUTEST.2016.7589627

Sardsüsteemide õppe- ja teaduslabor Tallinna Tehnikaülikooli arvutitehnika instituudisJervan, GertE-õppe uudiskiri2011 / lk. 9 :

fothttp://uudiskiri.e-ope.ee

Sektorite koostöös valmis maailmalõpuriietusMente et Manu2017 / lk. 11 : fothttp://www.ester.ee/record=b1242496*est

Siluliides sardsüsteemideleToomsalu, ArvoA & A1999 / 3, lk. 15-20

Software implementation of FOPID controllers with tuning capability for fractional FOPDT plantsTepljakov, Aleksei; Alagoz, Baris Baykant44th International Conference on Telecommunications and Signal Processing (TSP)2021 / p. 199-203https://doi.org/10.1109/TSP52935.2021.9522602

Switches and jumps in hybrid action systemsRönkkö, Mauno; Ravn, Anders P.Proceedings of the Estonian Academy of Sciences. Engineering1998 / 2, p. 106-118

Synchronization, calibration and triggering of IEEE 1687 embedded instrumentsJutman, Artur; Devadze, Sergei; Shibin, KonstantinThe Seventeenth Workshop on RTL and High Level Testing (WRTLT'16) : November 24-25, 2016, Aki Grand Hotel, Hiroshima, Japan2016 / [6] p

System level optimizations in wearable wireless networks = Kantavate seadmete võrkude süsteemi tasemel optimeerimineKhan, Rida2021https://www.ester.ee/record=b5403571*est https://digikogu.taltech.ee/et/Item/5d6402a5-a537-4bf4-a5e0-988b8685228b

SystemC-based loose models : RTL abstraction for design understandingAbrar, Syed Saif; Jenihhin, Maksim; Raik, JaanWorkshop on Design Automation for Understanding Hardware Designs DUHDe 2015 : Grenoble, March 13, 20152015 / p. 1-6

SystemC-based loose models for simulation speed-up by abstraction of RTL IP coresAbrar, Syed Saif; Jenihhin, Maksim; Raik, Jaan2015 IEEE 18th International Symposium on Design and Diagnostics of Electronic Circuits & Systems DDECS 2015 : 22-24 April 2015, Belgrade, Serbia : proceedings2015 / p. 71-74 : illhttp://dx.doi.org/10.1109/DDECS.2015.39

The international cooperation on remote laboratories conducted with engineering didacticsSell, Raivo; Rüütmann, TiiaProceedings of 2014 11th International Conference on Remote Engineering and Virtual Instrumentation (REV) : 26-28 February 2014 in Porto, Portugal2014 / p. 187-190 : ill

Time-Sensitive Networking in automotive embedded systems : state of the art and research opportunitiesAshjaei, Mohammad; Bello, Lucia Lo; Daneshtalab, Masoud; Patti, Gaetano; Saponara, Sergio; Mubeen, SaadJournal of Systems Architecture : the EUROMICRO Journal2021https://doi.org/10.1016/j.sysarc.2021.102137

Timing analysis of real-time softwareMõtus, Leo; Rodd, Michael G.1994https://www.ester.ee/record=b1031469*est

Trajectory generation for autonomous mobile robotsVu, Trieu MinhComputational intelligence for decision support in cyber-physical systems2014 / p. 195-214 : ill

Динамика программного обеспечения встроенных системMõtus, Leo1990https://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, Leo1989https://www.ester.ee/record=b2339617*est