

Address-based data processing over N-ary trees

Sklyarov, Valery; Skliarova, Iuliia; **Kruus, Margus; Mihhailov, Dmitri; Sudnitsõn, Aleksander** EuroCon 2013 : 01-04 July 2013, Zagreb, Croatia 2013 / p. 1790-1797 : ill

Alpha AXP arhitektuurist

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 3, lk. 6-18; 4, lk. 7-12: ill

American sign language character recognition using convolutional neural networks

Abdullah, Atesam; Ali, Nisar; Ali, Raja Hashim; **Abideen, Zain Ul**; Ijaz, Ali Zeeshan; Bais, Abdul 2023 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE) : Regina, SK, Canada, 24-27 September 2023 2023 / p. 165-169
<https://doi.org/10.1109/CCECE58730.2023.10288799>

An OLAP cube based development method of information systems

Lemmik, Rivo Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 584-588

Application of extensible processing platforms for experiments with FPGA-based circuits

Sklyarov, Valery; Skliarova, Iuliia; Silva, João; **Rjabov, Artjom; Sudnitsõn, Aleksander** MELECON 2014 : 2014 17th IEEE Mediterranean Electrotechnical Conference : 13-16 April 2014, Beirut, Lebanon 2014 / p. 467-471 : ill
<https://doi.org/10.1109/MELCON.2014.6820579> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Architectural exploration tasks for on-chip embedded systems

Reinsalu, Uljana; Arhipov, Anton; Ellervee, Peeter BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 171-174 : ill

Architecture of a list-based virtual machine for implementing COBOL : a thesis submitted to Tallinn Technical University in partial fulfilment of the requirements for the degree of master of engineering : magistratöö

Taveter, Kuldar 1995 http://www.ester.ee/record=b1756467*est

Assessment of diagnostic test for automated bug localization

Tihhomirov, Valentin; Tšepurov, Anton; Jenihhin, Maksim; Raik, Jaan; Ubar, Raimund-Johannes LATW2013 : 14th IEEE Latin-American Test Workshop, Cordoba, Argentina, April 3-5, 2013 : [proceedings] 2013 / [6] p. : ill

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>

At-speed testing of inter-die connections of 3D-SICs in the presence of shore logic

Shibin, Konstantin; Chickermane, Vivek; Keller, Brion; Papameletis, Christos; Marinissen, Erik Jan 2015 Asian Test Symposium : ATS 2015 : 22-25 November 2015, Mumbai, Maharashtra, India : proceedings 2015 / p. 79-84 : ill <https://doi.org/10.1109/ATS.2015.21>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Automated design error debug using high-level decision diagrams and mutation operators

Raik, Jaan; Repinski, Urmas; Tšepurov, Anton; Hantson, Hanno; Ubar, Raimund-Johannes; Jenihhin, Maksim Microprocessors and microsystems 2013 / p. 505-513 : ill <https://doi.org/10.1016/j.micpro.2012.11.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated design error localization in RTL designs

Jenihhin, Maksim; Tšepurov, Anton; Tihhomirov, Valentin; Raik, Jaan; Hantson, Hanno; Ubar, Raimund-Johannes; Bartsch, Günter; Meza Escobar, Jorge Hernan; Wuttke, Heinz-Dietrich IEEE design & test of computers 2014 / p. 83-92 : ill
<https://doi.org/10.1109/MDAT.2013.2271420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automatic diagnosis of simple design errors

Ubar, Raimund-Johannes; Borriore, Dominique TIMA annual report 1998 1999 / p. 97-98

Automatic diagnosis of simple design errors

Ubar, Raimund-Johannes; Borriore, Dominique Techniques of Informatics and Microelectronics for Computer Architecture 1999 / p. 91

Challenges for future system-on-chip design

Hollstein, Thomas; Peng, Zebo; **Ubar, Raimund-Johannes**; Glesner, Manfred Circuit Paradigm in the 21st Century : ECCTD '01 : proceedings of the 15th European Conference on Circuit Theory and Design : Helsinki University of Technology, Finland, 28th-31st August 2001. Vol 3 2001 / p. 173-176

Code compaction within CGRAs

Tajammul, Muhammad Adeel; Jafri, Syed Mohammad Asad Hassan; **Ellervee, Peeter** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 133-136 : ill

Customizable compression architecture for efficient configuration in CGRAs

Jafri, Syed Mohammad Asad Hassan; **Ellervee, Peeter** 2014 IEEE 22nd International Symposium on Field-Programmable Custom Computing Machines : FCCM 2014 : 11-13 May 2014, Boston, Massachusetts, USA : proceedings 2014 / p. 31 : ill

Customization methodology of a Coarse Grained Reconfigurable Architecture

Azad, Siavoosh Payandeh; Farahini, Nasim; Hemani, Ahmed Norchip : 32nd NORCHIP Conference, 27-28 October 2014, Tampere, Finland 2014 / [4] p. : ill

Deadlock-free generic routing algorithms for 3-dimensional Networks-on-Chip with reduced vertical link density topologies

Ying, Haoyuan; Jaiswal, Ashok; **Hollstein, Thomas**; Hofmann, Klaus Journal of systems architecture 2013 / p. 528-542 : ill
<https://doi.org/10.1016/j.sysarc.2013.03.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design methodology for fault-tolerant heterogeneous MPSoC under real-time constraints

Amin, Mohsin; Tagel, Mihkel; Jervan, Gert; Hollstein, Thomas 7th International Workshop on Reconfigurable and Communication-Centric Systems-on-Chip : July 9-11, 2012 : York, United Kingdom : proceedings 2012 / [6 p.] : ill
<https://ieeexplore.ieee.org/document/6322901>

Design space exploration in multi-level computing systems

Sklyarov, Valery; Skliarova, Ioulia; Silva, João; **Sudnitsõn, Aleksander** CompSysTech'14 : 15th International Conference on Computer Systems and Technologies : Ruse, Bulgaria, June 27-28, 2014 2014 / p. 40-47 : ill <https://doi.org/10.1145/2659532.2659616>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Digitaalarvutite loogikaelemendid ja trigerid : õppeabimaterjal

Mägi, Harri 1977 https://www.ester.ee/record=b1265883*est

Digitaalseadmete struktuuri projekteerimine : õppevahend

Ariste, Andri 1978 https://www.ester.ee/record=b1305228*est

An efficient FPGA-based architecture for contractive autoencoders

Kerner, Madis; Tammemäe, Kalle; Raik, Jaan; Hollstein, Thomas 2020 IEEE 28th Annual International Symposium on Field-Programmable Custom Computing Machines (FCCM), 3 – 6 May 2020, Fayetteville, Arkansas : proceedings 2020 / p. 230-230
<https://doi.org/10.1109/FCCM48280.2020.00062>.

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

EPIC (IA-64)-arhitektuurist

Toomsalu, Arvo A & A 1998 / 6, lk. 7-14: ill

Execution of dataflow process networks on OpenCL platforms

Lund, Victor; 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 deep learning based object detection architectur

Saddique, Muhammad Saddique; Raza, Ahsan; **Abideen, Zain Ul**; Khan, Shah Nawaz 2020 17th International Bhurban Conference on Applied Sciences and Technology (IBCAST), Islamabad, Pakistan, 2020 2020 / p. 255-259
<https://doi.org/10.1109/IBCAST47879.2020.9044558>

Extensible open-source framework for translating RTL VHDL IP cores to SystemC

Saif Abrar, Syed; Jenihhin, Maksim; Raik, Jaan Proceedings of the 2013 IEEE 16th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 8-10, 2013, Karlovy Vary, Czech Republic 2013 / p. 112-115

Fast and optimized task allocation method for low vertical link density 3-Dimensional Networks-on-Chip based many core systems

Ying, Haoyuan; **Hollstein, Thomas**; Hofmann, Klaus Proceedings : Design, Automation & Test in Europe : Grenoble, France, March 18-22, 2013 2013 / p. 1777-1782 : ill

Fast iterative circuits and RAM-based mergers to accelerate data sort in software/hardware systems

Sklyarov, Valery; Skliarova, Iuliia; **Rjabov, Artjom; Sudnitsõn, Aleksander** Proceedings of the Estonian Academy of Sciences 2017 / p. 323-335 : ill <https://doi.org/10.3176/proc.2017.3.07> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A five step refactoring process : improving software design properly

Põld, Janari; Kalja, Ahto; Robal, Tarmo Databases and information systems : proceedings of the Eighth International Baltic Conference, Baltic DBAMPIS 2008 : Tallinn, June 2-5, 2008 2008 / p. 37-48 : ill

FPGA-based accelerators for parallel data sort

Sklyarov, Valery; Skliarova, Iuliia; **Sudnitsõn, Aleksander** Applied computer systems 2014 / p. 53-63 : 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](#)

GSNoC — the comprehensive design platform for 3-dimensional Networks-on-Chip based many core embedded systems

Ying, Haoyuan; **Hollstein, Thomas**; Hofmann, Klaus Proceedings of the 2013 International Conference on High Performance Computing & Simulation (HPCS 2013) : July 1-July 5, 2013, Helsinki, Finland 2013 / p. 217-223 : ill

Hardware trojan insertion in finalized layouts : from methodology to a silicon demonstration

Perez, Tiago Diadami; Pagliarini, Samuel Nascimento IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 2023 / p. 2094-2107 <https://doi.org/10.1109/TCAD.2022.3223846> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hardware/software co-design in extensible processing platforms for combinatorial search algorithms

Skliarova, Iuliia; Sklyarov, Valery; **Rjabov, Artjom; Sudnitsõn, Aleksander** MELECON 2014 : 2014 17th IEEE Mediterranean Electrotechnical Conference : 13-16 April 2014, Beirut, Lebanon 2014 / p. 462-466 : ill <https://doi.org/10.1109/MELCON.2014.6820578> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A hardware/software co-design reconfigurable network-on-chip FPGA emulation method

Ying, Haoyuan; **Hollstein, Thomas**; Hofmann, Klaus 2014 9th International Symposium on Reconfigurable and Communication-Centric Systems-on-Chip (ReCoSoC) : Montpellier, France, 26-28 May, 2014 2014 / [8] p. : ill

Hewlett-Packard uus PA-RISC

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 9, lk. 9-17: ill

High-level implementation-independent software-based self-test for RISC type microprocessors = Mikroprotsessorite tarkvarapõhine implementatsioonist mittesõltuv funktsionaalne enesekontroll

Oyeniran, Adeboye Stephen 2020 <https://digikogu.taltech.ee/et/Item/08a75fbb-3f71-4fe4-b3d0-3f37a9a5f36d>

High-performance hardware accelerators for sorting and managing priorities

Sklyarov, Valery; Skliarova, Iuliia; **Mihhailov, Dmitri; Sudnitsõn, Aleksander** Proceedings of the 2011 IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems : April 13-15, 2011, Gottbus, Germany 2011 / p. 313-318 : ill <https://ieeexplore.ieee.org/document/5783103>

A hybrid BIST architecture and its optimization for SoC testing

Jervan, Gert; Peng, Zebo; Ubar, Raimund-Johannes; Kruus, Helena Proceedings of the 3rd International Symposium on Quality Electronic Design : ISQED 2002, March 18-21, 2002, San Jose, California 2002 / p. 273-279 : ill <https://ieeexplore.ieee.org/document/996750>

Hybrid BIST energy minimisation technique for system-on-chip testing

Jervan, Gert; **Peng, Zebo; Shchenova, Tatjana**; Ubar, Raimund-Johannes IEE proceedings computers & digital techniques 2006 / 4, p. 208-216 : ill <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=5ae755d323ccba87f8ff886334e3dd6d33560874>

Hybrid BIST scheduling for NoC-based SoCs

Jervan, Gert; Shchenova, Tatjana; Ubar, Raimund-Johannes Proceedings [of] 24th IEEE Norchip Conference : Linköping, Sweden, 20-21 November 2006 2006 / p. 141-144 : ill <https://ieeexplore.ieee.org/document/4126966>

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>

Implementation of parallel operations over streams in extensible processing platforms

Sklyarov, Valery; Skliarova, Iuliia; **Rjabov, Artjom; Sudnitsõn, Aleksander** 2013 IEEE 56th International Midwest Symposium on

Circuits and Systems (MWSCAS) : August 4-7, 2013, Columbus, Ohio : [proceedings] 2013 / p. 852-855 : ill
<https://doi.org/10.1109/MWSCAS.2013.6674783> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Infotehnoloogia. Sõnastik. Osa 11, Töölusseadmed

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1211017*est

Intel valmistub võitluseks

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 2, lk. 9-13

Inteli P6 on valmis!

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 6, lk. 2-9: ill

Jini tehnoloogiast

Küngas, Peep Arvutimaailm 2000 / 8, lk. 45 https://artiklid.elnet.ee/record=b1004987*est

Jäljevahemälu

Toomsalu, Arvo A & A 2002 / 2, lk. 8-19 : ill https://artiklid.elnet.ee/record=b1009485*est

Latest trends in hardware security and privacy

Di Natale, Giorgio; Regazzoni, Francesco; Albanese, Vincent; Lhermet, Frank; Loisel, Yann; Sensaoui, Abderrahmane; **Pagliarini, Samuel Nascimento** 33rd IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) : ESA-ESRIN, Italy (On-line Virtual Event), October 19–21, 2020 2020 / 4 p. : ill <https://doi.org/10.1109/DFT50435.2020.9250816>

Localization of bugs in processor designs using zamiaCAD framework

Tšepurov, Anton; Tihhomirov, Valentin; Jenihhin, Maksim; Raik, Jaan 13th International Workshop on Microprocessor Test and Verification (MTV 2012) Common Challenges and Solutions : Austin, USA, December 10–12, 2012 2012 / p. 1-6
<https://ieeexplore.ieee.org/document/6519733>

Logic IP for low-cost IC design in advanced CMOS nodes

Isgenc, Mehmet Meric; Martins, Mayler G.A.; Zackriya, V. Mohammed; **Pagliarini, Samuel Nascimento**; Pileggi, Larry IEEE Transactions on Very Large Scale Integration (VLSI) Systems 2020 / p. 585-595 <https://doi.org/10.1109/TVLSI.2019.2942825>

MASI-arhitektuuriga võrguprotsessor

Toomsalu, Arvo A & A 2004 / 3, lk. 7-18

Memristive device based circuits for computation-in-memory architectures

Lebdeh, Muath Abu; **Reinsalu, Uljana**; Nguyen, Hoang Anh Du; Wong, Stephan; Hamdioui, Said 2019 IEEE International Symposium on Circuits and Systems (ISCAS) : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/ISCAS.2019.8702542> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mikrokontrollerpere PIC 16C5x

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1997 / 3, lk. 7-11; 4, lk. 7-13: ill

Mikroprotsessorsüsteemid : kursuseprojekti juhendmaterjal

Toomsalu, Arvo 1998 https://www.ester.ee/record=b1061287*est

Model Driven Architecture

Leis, Paul A & A 2004 / 1, lk. 13-20 : ill https://artiklid.elnet.ee/record=b1014997*est

Monomikroprotsessorite arhitektuuri põhilisi arengusuundi

Toomsalu, Arvo A & A 2005 / 3, lk. 15-23 ; 4, lk. 13-29 : ill

Morphable compression architecture for efficient configuration in CGRAs

Jafri, Syed Mohammad Asad Hassan; Tajammul, Muhammad Adeel; **Ellervee, Peeter** 2014 17th Euromicro Conference on Digital System Design : DSD 2014 : 27-29 August 2014, Verona, Italy : proceedings 2014 / p. 42-49 : ill

Multi- ja andmeskalaarse arhitektuuriga protsessorid

Toomsalu, Arvo A & A 2005 / 6, lk. 15-27

Mõtisklusi agiilarhitektuurist

Leis, Paul A & A 2011 / lk. 22-27 : ill https://artiklid.elnet.ee/record=b2472199*est

Novel architectures for contractive autoencoders with embedded learning

Kerner, Madis; Tammemäe, Kalle; Raik, Jaan; Hollstein, Thomas 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277246>

On proving the concept of an ontology aided software refactoring tool

Pöld, Janari; Robal, Tarmo; Kalja, Ahto Databases and information systems : tenth international Baltic conference on databases and information systems : local proceedings, materials of doctoral consortium : Vilnius, Lithuania, July 8-11, 2012 2012 / p. 179
https://www.researchgate.net/publication/287294774_On_proving_the_concept_of_an_ontology_aided_software_refactoring_tool

Operatsioonautomaadid digitaalarvutites : metoodiline materjal

1987 https://www.ester.ee/record=b1234461*est

Optimization methodologies for Cycle-Accurate SystemC models converted from RTL VHDL

Saif Abrar, Syed; Jenihhin, Maksim; Raik, Jaan IP-SoC 2013 : IP embedded system conference and exhibition : Grenoble, France, November 6-7, 2013 2013

Parallel pseudo-exhaustive testing of array multipliers with data-controlled segmentation

Oyeniran, Adeboye Stephen; Azad, Siavoosh Payandeh; Ubar, Raimund-Johannes 2018 IEEE International Symposium on Circuits and Systems (ISCAS) : 27-30 May 2018, Florence, Italy : proceedings 2018 / 5 p.: ill
<https://doi.org/10.1109/ISCAS.2018.8350936> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Personaalarvutid mikroprotsessoril 80486. Sise- ja välisseadmete liidesed, matemaatikaprotsessorid, jõudlustestid

Toomsalu, Arvo 1992 https://www.ester.ee/record=b1064225*est

Perspektiivid voogtöötlustes

Aarna, Agu, 1983- A & A 2008 / lk. 29-36 : ill https://artiklid.elnet.ee/record=b1021440*est

Polymorphic configuration architecture for CGRAs

Jafri, Syed Mohammad Asad Hassan; Tajammul, Muhammad Adeel; Hermani, Ahmed; Paul, Kolin; Plosila, Juha; Ellervee, Peeter; Tenhunen, Hannu IEEE transactions on Very Large Scale Integration (VLSI) Systems 2016 / p. 403-407 : ill
<http://dx.doi.org/10.1109/TVLSI.2015.2402392>

Post-RISC-arhitektuur

Toomsalu, Arvo A & A 2001 / 2, lk. 8-14 ; 3, lk. 7-16 https://artiklid.elnet.ee/record=b1006602*est

Preface

Hollstein, Thomas; Raik, Jaan; Kostin, Sergei; Tšertov, Anton; O'Connor, Ian; Reis, Ricardo VLSI-SoC: System-on-Chip in the Nanoscale Era – Design, Verification and Reliability, 24th IFIP WG 10.5/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2016, Tallinn, Estonia, September 26-28, 2016 : Revised Selected Papers 2017 / p. V-VI
<https://link.springer.com/book/10.1007/978-3-319-67104-8> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Preventing distillation-based attacks on Neural Network IP

Grailoo, Mahdieh; Abideen, Zain Ul; Leier, Mairo; Pagliarini, Samuel Nascimento arXiv.org 2022 / 7 p. : ill
<https://doi.org/10.48550/arXiv.2204.00292>

Processing N-ary trees in reconfigurable hardware

Sklyarov, Valery; Skliarova, Iouliia; Sudnitsõn, Aleksander 2013 25th International Conference on Microelectronics (ICM) : 15–18 December 2013, Beirut-Lebanon 2013 / p. 13-16 : ill

Protsessor mälus

Toomsalu, Arvo A & A 2001 / 4, lk. 9-16 https://artiklid.elnet.ee/record=b1007646*est

Que vadis, mikrokontroller?

Toomsalu, Arvo A & A 2010 / 1, lk. 9-16 https://artiklid.elnet.ee/record=b1965433*est

Rejuvenation of NBTI-impacted processors using evolutionary generation of assembler programs

Pellerey, Francesco; Jenihhin, Maksim; Squillero, Giovanni; Raik, Jaan; Sonza Reorda, Matteo; Tihomirov, Valentin; Ubar, Raimund-Johannes 2016 IEEE 25th Asian Test Symposium : 21-24 November 2016, Hiroshima, Japan 2016 / p. 304-309 : ill
<https://doi.org/10.1109/ATS.2016.57> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Revolver : a high-performance MIMD architecture for collision free computing

Öberg, I.; Ellervee, Peeter Euromicro Conference : proceedings : 24th Euromicro Conference : Västerås, Sweden, August 25-27, 1998. Vol. 1 1998 / p. 301-308 <https://ieeexplore.ieee.org/document/711814>

RISC-arhitektuuri arengusuundade peegeldusi mikroprotsessoris R10000

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1996 / 7, lk. 14-19; 8, lk. 16-22; 9, lk. 2-9

RISC-mikroprotsessorite arhitektuur

Toomsalu, Arvo 1995 https://www.ester.ee/record=b1069536*est

Runtime contention and bandwidth-aware adaptive routing selection strategies for networks-on-chip

Samman, Faizal; **Hollstein, Thomas**; Glesner, Manfred IEEE transactions on parallel and distributed systems 2013 / p. 1411-1421 : ill <https://doi.org/10.1109/TPDS.2012.200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scalable dependable SoC architectures based on Networks-on-Chip

Hollstein, Thomas CREDES Summer School : Dependable Systems Design : handouts 2011 / p. 35-47 : ill

Scene parsing using Fully Convolutional Network for Semantic Segmentation

Ali, Nisar; Ijaz, Ali Zeeshan; Ali, Raja Hashim; **Abideen, Zain Ul**; Bais, Abdul 2023 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Regina, SK, Canada, 2023 2023 / p. 180-185 <https://doi.org/10.1109/CCECE58730.2023.10288934>

See mitmetahuline rööpsus

Tammemäe, Kalle A & A 2006 / 2, lk. 7-12 : ill https://artiklid.elnet.ee/record=b1019098*est

Self-aware architecture to support partial control of emergent behavior

Mõtus, Leo; Meriste, Merik; Preden, Jürjo-Sören; Pahtma, Raido 2012 7th International Conference on System of Systems Engineering : July 16-19, 2012, Genova, Italy : proceedings 2012 / p. 422-427 : ill <https://ieeexplore.ieee.org/document/6384148>

Self-organization in ad hoc wireless networks

Kirt, Toomas; Anier, Aivo 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. 149-152 : ill

SHARC-arhitektuuriga signaaliprotsessorite rakendamine infohankesüsteemides

Mürsepp, Ivo A & A 2005 / 4, lk. 38-45 : ill

Software architecture for modern telehealth care systems

Kuusik, Alar; Reilent, Enar; Lööbas, Ivor; Parve, Marko Advances on information sciences and service sciences 2011 / p. 141-151

Software architecture for modern telehome care systems

Kuusik, Alar; Reilent, Enar; Lööbas, Ivor; Parve, Marko Proceedings of the 6th International Conference on Networked Computing (INC 2010) : Gyeongju, Korea, May 11-13, 2010 2010 / p. 326-331 : ill <https://ieeexplore.ieee.org/document/5484807>

Software architecture for swarm mobile robots

Vain, Jüri; Tammet, Tanel; Kuusik, Alar; Reilent, Enar BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 231-234 : ill

Solving computationally intensive problems in reconfigurable hardware : a case study

Skliarova, Iuliia; Vallejo, Tiago; Sklyarov, Valery; **Sudnitsõn, Aleksander; Kruus, Margus** Journal of convergence information technology (JCIT) : an international journal 2013 / p. 601-609 : ill

SPARC-V8- ja V9-arhitektuuriga mikroprotsessorid

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1995 / 7, lk. 14-23: ill

Stateful runners of effectful computations

Uustalu, Tarmo Electronic notes in theoretical computer science 2015 / p. 403-421 <https://doi.org/10.1016/j.entcs.2015.12.024> [Journal metrics at Scopus](#) [Article at Scopus](#)

SuperH-arhitektuuriga protsessorituum kiipsüsteemidele

Toomsalu, Arvo A & A 2001 / 1, lk. 11-18 : ill https://artiklid.elnet.ee/record=b1006239*est

Sülemiintellektitehnika

Leis, Paul A & A 2007 / 1, lk. 3-5 : ill https://artiklid.elnet.ee/record=b1020322*est

zamiaCAD : shall we dance?

Jenihhin, Maksim Open Source Tools for Verification : DVClub 14 January 2013 2013 / 1 p

zamiaCAD : understand, develop and debug hardware designs

Jenihhin, Maksim; Tihomirov, Valentin; Saif Abrar, Syed; Raik, Jaan; Bartsch, Günter DUHDe : 1st Workshop on Design Automation for Understanding Hardware Designs : March 28, 2014 : Friday Workshop at DATE 2014, Dresden, Germany 2014 / p. 1-6

Zynq-based system for extracting sorted subsets from large data sets

Sklyarov, Valery; Skliarova, Iuliia; **Rjabov, Artjom; Sudnitsõn, Aleksander** Journal of microelectronics, electronic components and

materials 2015 / p. 142-152 : ill <https://ojs.midem-drustvo.si/index.php/InfMIDEM/article/view/117/0> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The software for artificial nose

Misans, Peteris; Shirs, Juris BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 343-346: ill

Theses of Tallinn University of Technology. C, Thesis on informatics and system engineering = [Tallinna Tehnikaülikooli väitekirjad]. C, Informaatika ja süsteemitehnika, 1406-4731 ; 80

Reilent, Enar 2012

A 3-D crossbar architecture for both pipeline and parallel computations

Aljafar, Muayad J.; Acken, John M. IEEE Transactions on Circuits and Systems I : regular papers 2021 / p. 4456-4469

<https://doi.org/10.1109/TCSI.2021.3108564> https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=1680&context=ece_fac

TransMem : a memory architecture to support dynamic remapping and parallelism in low power high performance CGRAs

Tajammul, Muhammad Adeel; Jafri, Syed Mohammad Asad Hassan; Hemani, Ahmed; Ellervee, Peeter 2016 26th International Workshop on Power and Timing Modeling, Optimization and Simulation : PATMOS 2016 : September, 21st to 23th 2016, Bremen, Germany : proceedings 2016 / p. 92-99 : ill <https://doi.org/10.1109/PATMOS.2016.7833431>

Transpuutrid

Toomsalu, Arvo Arvutustehnika ja Andmetöötlus 1997 / 4, lk. 14-16; 5, lk. 7-11; 6, lk. 6-9; 7/8, lk. 1-6: ill

Ultra-low latency NoC testing via pseudo-random test pattern compaction

Tatenguem, Herve; Govind, Vineeth; Raik, Jaan SoC 2012 : International Symposium on System-on-Chip 2012 : Tampere, Finland, October 11-12, 2012 2012 / 6 p. : ill <https://ieeexplore.ieee.org/document/6376370>

Using weighted graphs for fast architecture exploration

Ellervee, Peeter; Klaar, Tarmo; Kruus, Margus; Tammemäe, Kalle BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 111-114 : ill

VHDL design debug framework based on zamiaCAD

Tihhomirov, Valentin; Tšepurov, Anton; Saif Abrar, Syed; Jenihhin, Maksim; Raik, Jaan DATE 2013 : Design Automation and Test in Europe, March 18-22, 2013, Grenoble, France 2013 / [1] p. : ill

Võrguarvuti ja tiigrihüpe

Tammemäe, Kalle Arvutustehnika ja Andmetöötlus 1996 / 6, lk. 27-30