

Accessing extraterritorially located data : options for states [Online resource]

Osula, Anna-Maria 2015

https://ccdcoe.org/sites/default/files/multimedia/pdf/Accessing%20extraterritorially%20located%20data%20options%20for%20States_Aнна-Maria_Osula.pdf

Acyclic attribute evaluation in a dependently typed setting

Firsov, Denis; Uustalu, Tarmo Proceedings of the 27th Nordic Workshop on Programming Theory (NWPT 2015) 2016 / p. 124-126 : ill <http://icetcs.ru.is/nwpt2015/NWPT15Proceedings.pdf>

Advances in Databases and Information Systems : proceedings of the 9th East-European Conference, ADBIS 2005 : Tallinn, September 12-15, 2005

2005 https://www.ester.ee/record=b2068111*est

An alternative approach to distinguish movements of Parkinson disease patients

Nõmm, Sven; Toomela, Aaro; Vaske, Martti; Uvarov, Dan; Taba, Pille IFAC-PapersOnLine 2016 / p. 272-276 : ill

<https://doi.org/10.1016/j.ifacol.2016.10.546> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

An expectation-based approach to policy-based security of the Border Gateway Protocol

Li, Jun; Stein, Josh; Zhang, Mingwei; Maennel, Olaf Manuel 2016 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS) : GI 2016 : IEEE Global Internet Symposium : April 10-14, 2016, San Francisco, CA, USA 2016 / p. 340-345 : ill

<https://doi.org/10.1109/INFCOMW.2016.7562098> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Application of bidding automata for measuring the informativeness of hand motion characteristic features

Parm, Kenno; Nõmm, Sven; Vain, Jüri 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. 205-208 : ill

Application of neural networks based SANARX model for identification and control liquid level tank system

Belikov, Juri; Nõmm, Sven; Petlenkov, Eduard; Vassiljeva, Kristina 2013 12th International Conference on Machine Learning and Applications : ICMLA 2013 : 4-7 December 2013, Miami, Florida, USA : proceedings. Vol. 1 2013 / p. 246-251 : ill

Arvutiteadlased: USA kiibipiirang lööb Eesti digiarengul hinge kinni

novaator.err.ee 2025 [Arvutiteadlased: USA kiibipiirang lööb Eesti digiarengul hinge kinni](#)

Aspect-oriented testing of a rehabilitation system

Sarna, Külli; Vain, Jüri VALID 2014 : the Sixth International Conference on Advances in System Testing and Validation Lifecycle : October 12-16, 2014, Nice, France 2014 / p. 73-78 : ill

Attacker profiling in quantitative security assessment based on attack trees

Lenin, Aleksandr; Willemson, Jan; Sari, Dyan Permata Secure IT Systems : 19th Nordic Conference, NordSec 2014, Tromsø, Norway, October 15–17, 2014, Proceedings 2014 https://doi.org/10.1007/978-3-319-11599-3_12 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Automated fault diagnosis for an autonomous underwater vehicle

Dearden, Richard; Ernits, Juhan-Peep IEEE journal of oceanic engineering 2013 / p. 484-499 : ill

<https://doi.org/10.1109/JOE.2012.2227540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automating component dependency analysis for enterprise business intelligence

Tomingas, Kalle; Tammet, Tanel; Kliimask, Margus; Järv, Priit 2014 International Conference on Information Systems (ICIS 2014) : Auckland, New Zealand, December 14-17, 2014 2014 / p. 1-15 : ill

Biorobootik Maarja Kruusmaa paneb robotid kalade kombel ujuma

Linnard, Henry; Kruusmaa, Maarja Õhtuleht 2017 / lk. 22-23 <https://www.oh tuleht.ee/loodus/807381/biorobootik-maarja-kruusmaa-paneb-robotid-kalade-kombel-ujuma>

A coalgebraic view of bar recursion and bar induction

Capretta, Venzio; Uustalu, Tarmo Foundations of Software Science and Computation Structures : 19th International Conference, FOSSACS 2016, held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2016, Eindhoven, The Netherlands, April 2-8, 2016 : proceedings 2016 / p. 91-106 https://doi.org/10.1007/978-3-662-49630-5_6 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Combining aspect-orientation and UPPAAL timed automata

Truscan, Dragos; Vain, Jüri; Koskinen, Martin ICSOFT-PT 2014 : proceedings of the 9th International Conference on Software Paradigm Trends, Vienna, Austria, 29-31 August, 2014 2014 / p. 159-164 : ill

Combining effects and coeffects via grading

Gaboardi, Marco; Katsumata, Shin-ya; Orchard, Dominic; Breuvar, Flavien; Uustalu, Tarmo ICFP 2016 : proceedings of the 21st

Combining fuzzy and probabilistic reasoning for crowd-sourced categorization and tagging

Tammet, Tanel; Luberg, Ago Web Reasoning and Rule Systems : 8th International Conference, RR 2014, Athens, Greece, September 15-17, 2014 : proceedings 2014 / p. 247-248 <https://link.springer.com/book/10.1007/978-3-319-11113-1> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

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

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

Computational intelligence methods based design of closed-loop system

Belikov, Juri; Petlenkov, Eduard; Vassiljeva, Kristina; Nõmm, Sven Neural information processing : 20th International Conference, ICONIP 2013, Daegu, Korea, November 3-7, 2013 : proceedings. Part I 2013 / p. 215-224 : ill https://doi.org/10.1007/978-3-642-42054-2_28 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Computer scientists: Estonia's digital development held back by US chip limit

news.err.ee 2025 [Computer scientists: Estonia's digital development held back by US chip limit](#)

A conceptual nationwide cyber situational awareness framework for critical infrastructures

Bahsi, Hayrettdin; Maennel, Olaf Manuel Secure IT systems : 20th Nordic Conference, NordSec 2015, Stockholm, Sweden, October 19-21, 2015 : proceedings 2015 / p. 3-10 : ill https://doi.org/10.1007/978-3-319-26502-5_1 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Context-Free Languages of String Diagrams

Earnshaw, Matthew David; Román, Mario arXiv.org 2024 / 24 p. : ill <https://doi.org/10.48550/arXiv.2404.10653>

Covering an unknown area with an RFID-enabled robot swarm

Puusepp, Andres; Tammet, Tanel; Reilent, Enar Mechanical design and power engineering 2014 / p. 1157-1162
<https://doi.org/10.4028/www.scientific.net/AMM.490-491.1157> [Article at Scopus](#) [Article at WOS](#)

Creating and detecting IPv6 transition mechanism-based information exfiltration covert channels

Blumbergs, Bernhards; Pihelgas, Mauno; Kont, Markus; Maennel, Olaf Manuel; Vaarandi, Risto Secure IT Systems : 21st Nordic Conference, NordSec 2016, Oulu, Finland, November 2-4, 2016 : proceedings 2016 / p. 85-100 : ill https://doi.org/10.1007/978-3-319-47560-8_6 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

A Critical Pair Enumeration Algorithm for String Diagram Rewriting

Matsui, Anna; Obi, Innocent; Sabbagh, Guillaume; Torres, Leo; Kessler, Diana-Maria; Meleiro, Juan F.; Muroya, Koko Applied Category Theory (ACT) 2025 / 18 p <https://drive.google.com/file/d/10UDhhSA0CxcRZqeT3Pevf5ydCRye12D/view?pli=1>

Cyber warfare

Ottis, Rain Cyber security : analytics, technology and automation 2015 / p. 89-96 https://doi.org/10.1007/978-3-319-18302-2_6 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Cyberspace from the hybrid threat perspective

Gunneriusson, Hakan; Ottis, Rain Proceedings of the 12th European Conference on Information Warfare and Security : University of Jyväskylä, Finland, 11-12 July 2013 2013 / p. 98-105 : ill

Data integration patterns for data warehouse automation

Tomingas, Kalle; Kliimask, Margus; Tammet, Tanel New Trends in Database and Information Systems II : selected papers of the 18th East European Conference on Advances in Databases and Information Systems and Associated Satellite Events, ADBIS 2014 Ohrid, Macedonia, September 7-10, 2014 : proceedings. II 2015 / p. 41-55 https://doi.org/10.1007/978-3-319-10518-5_4 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Delay testing of asynchronous NoC interconnects

Bengtsson, Tomas; Jutman, Artur; Kumar, Shashi; Ubar, Raimund-Johannes Proceedings of the 12th International Conference : Mixed Design of Integrated Circuits and Systems : MIXDES 2005 : Krakow, Poland, 22-25 June, 2005. Vol. 1 of 2 2005 / p. 419-424 : ill

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 WOS](#)

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 / p. 1417-1421 : ill
<http://dx.doi.org/10.1109/GlobalSIP.2015.7418432>

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>

Directed containers as categories

Ahman, Danel; **Uustalu, Tarmo** Proceedings 6th Workshop on Mathematically Structured Functional Programming (MSFP 2016) : Eindhoven, The Netherlands, 8 April 2016 / p. 89-98 <https://doi.org/10.4204/eptcs.207.5> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Discovering data lineage from data warehouse procedures

Tomingas, Kalle; Järv, Priit; Tammet, Tanel Proceedings of the 8th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management : November 9-11, 2016, in Porto, Portugal. Vol. 1 2016 / p. 101-110
<http://doi.org/10.5220/0006054301010110>

The Distribution Index Calculator for Estonian

Vainik, Ene; **Lohk, Ahti**; Paulsen, Geda Electronic lexicography in the 21st century : post-editing lexicography : proceedings of the eLex 2021 conference : virtual, 5-7 July 2021 / p. 121-138 <https://elex.link/elex2021/proceedings-download/>

A divertimento on MonadPlus and nondeterminism

Uustalu, Tarmo Journal of logical and algebraic methods in programming 2016 / p. 1086-1094 : ill
<https://doi.org/10.1016/j.jlamp.2016.06.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Educational computer game for cyber security : game concept [Online resource]

Sõmer, Tiia Proceedings of the 1st Interdisciplinary Cyber Research Workshop 2015 : 18th of July 2015, Tallinn University of Technology 2015 / p. 17-19 <http://cybercentre.cs.ttu.ee/en/icr2015/>

Eestisse luuakse kiibitehnoloogia kompetentsikeskus

Tambur, Silver Trialoog 2025 <https://trialoog.taltech.ee/eestisse-luuakse-kiibitehnoloogia-kompetentsikeskus/>

eID public acceptance : success factors, citizen perception, and impact of electronic identity = eID avalik aktsepteerimine : edutegurid, kodanike pertseptsioon ja elektroonilise identiteedi mõju

Tsap, Valentyna 2022 <https://doi.org/10.23658/taltech.12/2022> <https://digikogu.taltech.ee/et/Item/13217274-6ec5-4c3b-8324-dcf5bef99081>
https://www.ester.ee/record=b5497155*est

Estonia's cyber defence league : a model for the United States?

Cardash, Sharon L.; Cilluffo, Frank J.; **Ottis, Rain** Studies in conflict & terrorism 2013 / p. 777-787
<https://doi.org/10.1080/1057610X.2013.813273> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An Estonian Research Excellence Centre in Computer Science : [the Estonian Centre for Dependable Computing]

Uustalu, Tarmo Estonia : member state of NATO and the EU : international business handbook 2007-2008 2007 / p. 182-190 : portr
https://www.ester.ee/record=b2288232*est

Evaluation of data quality in the Estonian National Health Information System for digital decision support

Bertl, Markus; Kankainen, Kristian Juha Ismo; Piho, Gunnar; Draheim, Dirk; Ross, Peeter Proceedings of the 3rd International Health Data Workshop (HEDA 2023) co-located with Software Technologies: Applications and Foundations (STAF 2023) : Leicester, United Kingdom, July 21, 2023. Vol. 3440 2023 / paper 1, 13 p. : ill <https://ceur-ws.org/Vol-3440/paper1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Evaluation of deep learning-based depression detection using medical claims data

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk Artificial intelligence in medicine 2024 / art. 102745, 16 p. : ill <https://doi.org/10.1016/j.artmed.2023.102745> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of deep learning-based depression detection using medical claims data : preprint

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk SSRN 2023 / p. 1-34 : ill
<https://doi.org/10.2139/ssrn.4478987>

Event log analysis with the LogCluster tool

Vaarandi, Risto; Kont, Markus; Pihelgas, Mauno 2016 IEEE Military Communications Conference : MILCOM 2016 : Baltimore, MD, USA, November 1-3, 2016 / p. 982-987 <https://doi.org/10.1109/MILCOM.2016.7795458>

Event management and incident response framework for small companies [Online resource]

Kont, Markus Proceedings of the 1st Interdisciplinary Cyber Research Workshop 2015 : 18th of July 2015, Tallinn University of

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>

Foreword

Jakobson, Gabriel; **Ottis, Rain** 2015 7th International Conference on Cyber Conflict : Architectures in Cyberspace : 26-29 May 2015, Tallinn, Estonia 2015 / p. i http://www.ester.ee/record=b4459022*est https://ccdcoc.org/sites/default/files/multimedia/pdf/CyCon_2015_book.pdf

Foreword

Jakobson, Gabriel; **Ottis, Rain** 2016 : 8th International Conference on Cyber Conflict : Cyber Power : 31 May-3 June 2016, Tallinn, Estonia 2016 / p. [i]

Foreword

Uustalu, Tarmo ICFP'13 : proceedings of the 2013 ACM SIGPLAN International Conference on Functional Programming 2013 / p. iii [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Foreword

Jakobson, Gabriel; **Ottis, Rain** 5th International Conference on Cyber Conflict : 4-7 June 2013, Tallinn, Estonia : proceedings 2013 / p. vi-viii

Formal safety validation of mobile robot teleoperation

Vain, Jüri; Suzuki, Satoshi; **Kuusik, Alar** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 161-164 : ill

FPGA-based critical computing : TEMPUS and FP7 projects issues

Kharchenko, Vyacheslav; **Vain, Jüri**; **Krispin, Madli** 10th European Workshop on Microelectronics Education : EWME 2014 : May 14-16, 2014, Tallinn, Estonia 2014 / p. 74-79 : ill

Further results on identifiability of discrete-time nonlinear systems

Nõmm, Sven; Moog, Claude Automatica 2016 / p. 69-74 : ill <https://doi.org/10.1016/j.automatica.2016.01.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generating optimal test cases for real-time systems using DIVINE model checker

Pal, Deepak; **Vain, Jüri** 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. 99-102 : ill http://www.ester.ee/record=b2150914*est

Genetic approximations for the failure-free security games

Lenin, Aleksandr; Willemson, Jan; **Charnamord, Anton** Decision and game theory for security : 6th International Conference, GameSec 2015, London, UK, November 4-5, 2015 : proceedings 2015 / p. 311-321 : ill https://doi.org/10.1007/978-3-319-25594-1_17 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Guest editors' foreword

Uustalu, Tarmo; **Vain, Jüri** Journal of logical and algebraic methods in programming 2016 / p. 1109 <https://doi.org/10.1016/j.jlamp.2016.10.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Hoare logic for the coinductive trace-based big-step semantics of While

Nakata, Keiko; **Uustalu, Tarmo** Logical methods in computer science 2015 / p. 1-32 [https://doi.org/10.2168/LMCS-11\(1:1\)2015](https://doi.org/10.2168/LMCS-11(1:1)2015) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Home rehabilitation system supported by the safety model

Kuusik, Alar; **Sarna, Külli**; Reilent, Enar pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 145-151 : ill

Home telecare and rehabilitation system with aspect oriented functional integration

Kuusik, Alar; **Reilent, Enar**; **Sarna, Külli**; **Parve, Marko** Biomedical Engineering = Biomedizinische Technik ; 57 2012 / p. 1004-1007 : ill <https://pubmed.ncbi.nlm.nih.gov/23096276/>

Human limb model structure optimization with genetic algorithm

Nõmm, Sven; **Vassiljeva, Kristina**; **Kuusik, Alar** EMS2013 : UKSim-AMSS 7th European Modelling Symposium, 20-22 November 2013, Manchester, United Kingdom : [proceedings] 2013 / p. 124-129

Gordon, Boris; Velme, Enn; Einer, Lauri; Tamm, Uljas; Meister, Ants; Korsen, Viljo; Märtens, Olev; Parve, Toomas; Ubar, Raimund-Johannes; Min, Mart Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 34-47 : ill
https://www.ester.ee/record=b2412718*est

Inimesi ei saa sundida, neid tuleb motiveerida : [kõne TTÜ aastapäevaktusel 17.09.2015]
Maennel, Olaf Manuel Mente et manu 2015 / lk. 7-8 : fot https://artiklid.elnet.ee/record=b2746563*est

Insider threat detection study [Online resource]
Kont, Markus; Pihelgas, Mauno; Wojtkowiak, Jesse; Trinberg, Lorena; **Osula, Anna-Maria** 2015
https://ccdcoe.org/sites/default/files/multimedia/pdf/Insider_Threat_Study_CCDCOE.pdf

Integrating refinement-based methods for developing timed systems
Vain, Jüri; Tsiopoulos, Leonidas; Boström, Pontus From action systems to distributed systems : the refinement approach 2016 / p. 171-185 <http://dx.doi.org/10.1201/b20053-17>

Interaction morphisms [extended abstract]
Katsumata, Shin-ya; **Uustalu, Tarmo** CoALP-Ty'16 : pre-proceedings of the Workshop on Coalgebra, Horn Clause Logic Programming and Types : November 28-29, 2016, Edinburgh, UK 2016 / p. 7-8 <https://arxiv.org/pdf/1612.03032.pdf>

International cyber norms : legal, policy & industry perspectives
2016 http://www.ester.ee/record=b4543144*est https://ccdcoe.org/sites/default/files/multimedia/pdf/InternationalCyberNorms_full_book.pdf

Introduction
Osula, Anna-Maria; Rõigas, Henry International cyber norms : legal, policy & industry perspectives 2016 / p. 11-22
http://www.ester.ee/record=b4543144*est https://ccdcoe.org/sites/default/files/multimedia/pdf/InternationalCyberNorms_full_book.pdf

Introductory remarks [Online resource]
Osula, Anna-Maria; Maennel, Olaf Manuel Proceedings of the 1st Interdisciplinary Cyber Research Workshop 2015 : 18th of July 2015, Tallinn University of Technology 2015 / p. 5 <http://cybercentre.cs.ttu.ee/en/icr2015/>

ITA programm tehnikaülikoolis
Vaarmets, Elena Mente et Manu 2014 / lk. 9

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](#)

Journal of logical and algebraic methods in programming. Vol. 85, iss. 6, NWPT 2013
2016

Kuulsad matemaatikud : universumi mõistatuste lahendajad
Flood, Raymond; Wilson, Robin; Olesk, Peeter 2014 https://www.ester.ee/record=b3056428*est

Küberkaitse tipptegijad õpivad Eestis digitaalset ühiskonda turvama : [intervjuu TTÜ professori Olaf Maenelliga]
Lõugas, Hans; **Maennel, Olaf Manuel** Eesti Päevaleht 2015 / lk. 17 <https://epl.delfi.ee/artikkel/71888393/kuberkaitse-tipptegijad-opivad-eestis-digitaalset-uhiskonda-turvama>

Learning based personalized energy management systems for residential buildings
Soudari, Mallikarjun; Srinivasan, Seshadri; Balasubramanian, Subathra; **Vain, Jüri; Kotta, Ülle** Energy and buildings 2016 / p. 953-968 : ill <https://doi.org/10.1016/j.enbuild.2016.05.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Light weight tabletop exercise for cybersecurity education
Ottis, Rain Journal of homeland security and emergency management 2014 / p. 579-592 <https://doi.org/10.1515/jhsem-2014-0031>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lightweight assimilation of open urban ambient air quality monitoring data and numerical simulations with unknown uncertainty
Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew Environmental modeling & assessment 2023 / p. 961-975
<https://doi.org/10.1007/s10666-023-09909-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lightweight open data assimilation of Pan-European urban air quality
Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew IEEE access 2023 / p. 84670-84688 : ill., map
<https://doi.org/10.1109/ACCESS.2023.3302348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Limiting adversarial budget in quantitative security assessment

Lenin, Aleksandr; Buldas, Ahto Decision and Game Theory for Security : 5th International Conference, GameSec 2014, Los Angeles, CA, USA, November 6-7, 2014 : proceedings 2014 / p. 155-174 : ill https://doi.org/10.1007/978-3-319-12601-2_9 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

A live virtual simulator for teaching cybersecurity to information technology students

Ermits, Margus; Kikkas, Kaido Learning and Collaboration Technologies : Third International Conference, LCT 2016, held as part of HCI International 2016, Toronto, ON, Canada, July 17-22, 2016 : proceedings 2016 / p. 474-486 : ill https://doi.org/10.1007/978-3-319-39483-1_43 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

LogCluster - a data clustering and pattern mining algorithm for event logs

Vaarandi, Risto; Pihelgas, Mauno 11th International Conference on Network and Service Management, CNSM 2015 : Barcelona, Spain, November 9-13, 2015 2015 / p. 1-7

Mappings, rules and patterns in template based ETL construction

Tomingas, Kalle; Kliimask, Margus; **Tammet, Tanel** Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 471-476 : ill

Marek Strandberg võib luua roheliste erakonna : [Tanel Tammeti ja Marek Strandbergi kommentaaridega]

Seaver, Urmas Postimees 2004 / 28. sept., lk. 3 : fot <https://epl.delfi.ee/artikkel/50993870/marek-strandberg-voib-luua-roheliste-erakonna>

Model based framework for distributed control and testing of cyber-physical systems = Mudelipõhine raamistik küber-füüsikaliste süsteemide hajusjuhtimiseks ja -testimiseks

Anier, Aivo 2016 <http://digi.lib.ttu.ee/i/?6133> https://www.ester.ee/record=b4601197*est

Model based framework for testing distributed systems

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

Model checking response times in Networked Automation Systems using jitter bounds

Srinivasan, Seshadri; Buonopane, Furio; **Vain, Jüri;** Ramaswamy, Srini Computers in industry 2015 / p. 186-200
<https://doi.org/10.1016/j.compind.2015.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model-based integration testing of ROS packages : a mobile robot case study

Ermits, Juhan-Peep; Halling, Evelin; Kanter, Gert; Vain, Jüri 2015 European Conference on Mobile Robots : Lincoln, United Kingdom, September 2-4, 2015 : conference proceedings 2015 / [7] p. : ill <http://dx.doi.org/10.1109/ECMR.2015.7324210>

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

Model-based testing of reactive systems = Reaktiivsete süsteemide mudelipõhine testimine

Kull, Andres 2009 https://www.ester.ee/record=b2539853*est

Model-based testing of real-time distributed systems

Vain, Jüri; Halling, Evelin; Kanter, Gert; Anier, Aivo; Pal, Deepak Databases and Information Systems : 12th International Baltic Conference, DB&IS 2016, Riga, Latvia, July 4-6, 2016 : proceedings 2016 / p. 272-286 : ill https://doi.org/10.1007/978-3-319-40180-5_19 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modelling critical systems with timing constraints in Event-B [Electronic resource]

Siavashi, Faezeh; Waldén, Marina; Tsiopoulos, Leonidas; **Vain, Jüri** 25th Nordic Workshop on Programming Theory NWPT 2013 : Tallinn, Estonia, 20-22 November 2013 : abstracts 2013 / p. 70-72 : ill [USB]

Monads need not be endofunctors

Altenkirch, Thorsten; **Chapman, James; Uustalu, Tarmo** Logical methods in computer science 2015 / p. 1-40
[https://doi.org/10.2168/LMCS-11\(1:3\)2015](https://doi.org/10.2168/LMCS-11(1:3)2015) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monitoring of the human motor functions rehabilitation by neural networks based system with Kinect sensor

Nõmm, Sven; Buhalko, Kirill 12th IFAC, IFIP, IFORS, IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, 2013 : Las Vegas, United States of America : August 11-14 2013 : proceedings 2013 / p. 249-253
<https://doi.org/10.3182/20130811-5-US-2037.00062> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Monoidal width

Di Lavore, Elena; Sobocinski, Pawel Maria Logical methods in computer science 2023 / p. 15:1–15:46 : ill
[https://doi.org/10.46298/LMCS-19\(3:15\)2023](https://doi.org/10.46298/LMCS-19(3:15)2023) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monoidal width : capturing rank width

Di Lavore, Elena; Sobocinski, Pawel Maria Proceedings Fifth International Conference on Applied Category Theory : Glasgow, Scotland, 18-22 July 2022 2023 / p. 268-283 : ill <https://doi.org/10.4204/EPTCS.380.16> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Multi-level analytical frameworks for supporting cyber security legal decision making : thesis for the degree of doctor of philosophy

Kasper, Agnes 2015 http://www.ester.ee/record=b4511758*est

Mutual legal assistance & other mechanisms for accessing extraterritorially located data

Osula, Anna-Maria Masaryk University Journal of Law and Technology 2015 / p. 43-64 <https://doi.org/10.5817/MUJLT2015-1-4> [Journal metrics at Scopus](#) [Article at Scopus](#)

A new efficient ALignment-driven Neural Network for mortality prediction from irregular multivariate time series data [Formula presented]

Bignoumba, Nzamba; Mellouli, Nedra; **Ben Yahia, Sadok** Expert systems with applications 2024 / art. 122148 <https://doi.org/10.1016/j.eswa.2023.122148> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New efficient utility upper bounds for the fully adaptive model of attack trees

Buldas, Ahto; Lenin, Aleksandr Decision and game theory for security : 4th International Conference, GameSec 2013, Fort Worth, TX, USA, November 11-12, 2013 : proceedings 2013 / p. 192-205 : ill https://doi.org/10.1007/978-3-319-02786-9_12 [Computer Proceedings metrics at Scopus](#) [Article at Scopus](#)

Näilik efektiivsus ja kvaliteet : projektipõhine teaduskorraldus taandab teadlased juhutöölisteks

Uustalu, Tarmo Sirp 2014 / lk. 34-35 <https://www.sirp.ee/s1-artiklid/c9-sotsiaalia/2014-01-09-14-40-08/>

On mutating UPPAAL timed automata to assess robustness of web services

Siavashi, Faezeh; Truscan, Dragos; **Vain, Jüri** Proceedings of the 11th International Joint Conference on Software Technologies (ICSOT 2016). Vol. 1, ICSOT-EA 2016 / p. 15-26 : ill <http://dx.doi.org/10.5220/0005970800150026>

Palmse, märts ja teoreetiline arvutiteadus

Uustalu, Tarmo Mente et Manu 2016 / lk. 7-9 : fot https://artiklid.elnet.ee/record=b2758759*est

Paneme masina aru andma

Uustalu, Tarmo Postimees 2016 / AK, lk. 9

Preface

Penjam, Jaan Proceedings of the Estonian Academy of Sciences 2013 / p. 1-2

Proceedings of the 1st Interdisciplinary Cyber Research Workshop 2015 : 18th of July 2015, Tallinn University of Technology [Online resource]

2015 <http://cybercentre.cs.ttu.ee/en/icr2015/>

Proceedings of the 2nd Interdisciplinary Cyber Research Workshop 2016 [Online resource]

2016 http://cybercentre.cs.ttu.ee/wp/wp-content/uploads/2016/03/CRW_2016_lingitud.pdf http://www.ester.ee/record=b4579694*est

Provably correct test development for timed systems

Vain, Jüri; Anier, Aivo; Halling, Evelin Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 289-302 : ill <https://doi.org/10.3233/978-1-61499-458-9-289> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Provably correct test generation for online testing of timed systems

Vain, Jüri; Anier, Aivo; Halling, Evelin Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 337-348 : ill

Quantitative analysis in the digital Luria's alternating series tests

Nõmm, Sven; Toomela, Aaro; Kozhenkina, Julia; Toomsoo, Toomas 14th International Conference on Control, Automation, Robotics & Vision (ICARCV 2016) : Phuket, Thailand, November 13-15, 2016 2016 / [6] p. : ill <https://doi.org/10.1109/ICARCV.2016.7838746>

Quotienting the delay monad by weak bisimilarity

Chapman, James; Uustalu, Tarmo; Veltri, Niccolo 21st International Conference on Types for Proofs and Programs, TYPES 2015 : Tallinn, Estonia, 18-21 May 2015 : abstracts 2015 / p. 38-39

Rain Ottis: "Tähtis on teha asju, millesse ise usud!"

Recognition and analysis of the contours drawn during the Poppelreuter's test

Nõmm, Sven; Bardõš, Konstantin; Mašarov, Ilja; Kozhenkina, Julia; Toomela, Aaro; Toomsoo, Toomas 2016 15th IEEE International Conference on Machine Learning and Applications : 18-20 December 2016, Anaheim, California : proceedings 2016 / p. 170-175 : ill <http://doi.org/10.1109/ICMLA.2016.0036>

Requirements-driven model-based testing of the IP Multimedia Subsystem

Ernits, Juhan-Peep; Kääramees, Marko; Raiend, Kullo; Kull, Andres 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. 203-206 : ill

Robot swarms

Vain, Jüri Integrated systems and design : interstudy, May 9, 2008 2008 / p. 54-64 : ill

Roheline erakond jäi veel loomata : [M. Strandbergi kommentaariga "Aktuaalsele kaamerale" ja T. Tammeti kommentaariga Postimehele]

Postimees 2004 / lk. 6

Rule-based impact analysis for enterprise business intelligence

Tomingas, Kalle; Tammet, Tanel; Kliimask, Margus Artificial Intelligence Applications and Innovations : AIAI 2014 Workshops : CoPA, MHDW, IVC, and MT4BD, Rhodes, Greece, September 19-21, 2014 : proceedings 2014 / p. 302-309 : ill
https://doi.org/10.1007/978-3-662-44722-2_32 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Seitse aastat soosingut

Uustalu, Tarmo Mente et Manu 2015 / lk. 9-11 : fot https://artiklid.elnet.ee/record=b2741003*est

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

Sequence to sequence hybrid Bi-LSTM model for traffic speed prediction

Ounoughi, Chahinez; Ben Yahia, Sadok Expert systems with applications 2024 / art. 121325
<https://doi.org/10.1016/j.eswa.2023.121325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Service measurement map for large-scale cyber defense exercises

Pihelgas, Mauno; Rubio Melon, Francisco Jesus; **Priisalu, Jaan** Cyber Defence Situation Awareness : STO-MP-IST-148 2016 / p. 9-1 - 9-10 : ill <http://dx.doi.org/10.14339/STO-MP-IST-148>

SIGCOMM '15 : proceedings of the 2015 ACM Conference on Special Interest Group on Data Communication : August 17-21, 2015, London, United Kingdom

2015 <http://dl.acm.org/citation.cfm?id=2785956>

Sightsmap : crowd-sourced popularity of the world places

Tammet, Tanel; Luberg, Ago; Järv, Priit Information and communication technologies in tourism 2013 : proceedings of the International Conference in Innsbruck, Austria, January 22-25, 2013 2013 / p. 314-325 : ill

Simple event correlator - best practices for creating scalable configurations

Vaarandi, Risto; Blumbergs, Bernhards; Caliskan, Emin 2015 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision (CogSIMA 2015) : 9-12 March 2015, Orlando, Florida, USA 2015 / p. 96-100
<http://dx.doi.org/10.1109/COGSIMA.2015.7108181>

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

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](#)

A survey on socio-semantic information retrieval

Schoefegger, Karin; **Tammet, Tanel;** Granitzer, Michael Computer science review 2013 / p. 25-46 : ill

A symbolic approach to model-based online testing = Mudelipõhine online-testimine kasutades sümbolarvutust

Kääramees, Marko 2012 http://www.estar.ee/record=b2890159*est

TalTech professor: AI chip restrictions on Estonia won't make much difference

Tammet, Tanel news.err.ee 2025 [TalTech professor: AI chip restrictions on Estonia won't make much difference](#)

Teaching diagnostic modeling of digital systems with decision diagrams [Electronic resource]

Ubar, Raimund-Johannes; Raik, Jaan; Mironov, Dmitri; Evartson, Teet; Orasson, Elmet; Aarna, Margit; Wuttke, Heinz-Dietrich
Proceedings of 12th IASTED International Conference on Computers and Advanced Technology in Education - CATE 2009 :
St.Thomas, US, November 22-24, 2009 2009 / p. 1-6. [CD-ROM]

Teadus ja väärtus

Uustalu, Tarmo Teadusmõtte Eestis (VIII). Teaduskultuur : [artiklikogumik] 2013 / lk. 10-15 : portr

**Teaduspreemia täppisteaduste alal tööde tsükli "Matemaatilised struktuurid funktsionaalprogrammeerimises" eest :
Tarmo Uustalu**

Uustalu, Tarmo Eesti Vabariigi preemiad : teadus. F. J. Wiedemanni keeleaühind. Kultuur. Sport 2015 / lk. 52-62 : portr

Tester partitioning and synchronization algorithm for testing real-time distributed systems

Pal, Deepak; Vain, Jüri Proceedings of the 10th Junior Researcher Workshop on Real-Time Computing : JRWRTC 2016 : Brest,
France, October 19-21, 2016 2016 / p. 13-16 : ill <http://jrwrtc2016.gforge.inria.fr/>

The Crisis Management System - a case study on aspect-oriented modelling with UPPAAL

Iqbal, Junaid; Truscan, Dragos; Porres, Ivan; Tsiopoulos, Leonidas; Vain, Jüri 2016 http://tuics.fi/publications/view/?pub_id=tlqTsTrVaPo16a

**25th Nordic Workshop on Programming Theory NWPT 2013 : Tallinn, Estonia, 20-22 November 2013 : abstracts
[Electronic resource]**

2013 https://www.ester.ee/record=b3039924*est

**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

Timed automata based provably correct robot control

Anier, Aivo; Vain, Jüri 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. 201-204 : ill

A tool-supported approach for introducing aspects in UPPAAL timed automata

Truscan, Dragos; Vain, Jüri; Koskinen, Martin; Iqbal, Junaid Software technologies : 9th International Joint Conference, ICSoft
2014, Vienna, Austria, August 29-31, 2014 : revised selected papers 2015 / p. 349-364 https://doi.org/10.1007/978-3-319-25579-8_20
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tor does not stink : use and abuse of the Tor anonymity network from the perspective of law

Minarik, Tomaš; Osula, Anna-Maria Computer law & security review 2016 / p. 111-127 <http://dx.doi.org/10.1016/j.clsr.2015.12.002>

Towards better specifications for software outsourcing

Lump, Peeter; Ernits, Juhan-Peep; Vain, Jüri Databases and Information Systems : proceedings of the 11th International Baltic
Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 453-458 : ill

Towards context-sensitive dialogue with robot companion

Vain, Jüri; Sarapuu, Helena BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic
Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 205-208 : ill

Towards establishing relationships between human arousal level and motion mass

Nõmm, Sven; Kõnnusaar, Tiit; Toomela, Aaro Neural Information Processing : 21st International Conference, ICONIP 2014, Kuching,
Malaysia, November 3-6, 2014 : proceedings. Part 1 2014 / p. 19-26 : ill https://doi.org/10.1007/978-3-319-12637-1_3 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Towards scalable proofs of robot swarm dependability

Vain, Jüri; Tammet, Tanel; Kuusik, Alar; Juurik, Silver 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. 199-202 : ill

**21st International Conference on Types for Proofs and Programs, TYPES 2015 : Tallinn, Estonia, 18-21 May 2015 :
abstracts**

2015 http://www.ester.ee/record=b4473137*est

Two state space reduction techniques for explicit state model checking = Kaks olekuruumi kahandamise tehnikat olekute otseesitusega mudelikontrollis

Ernits, Juhan-Peep 2007 <https://digi.lib.ttu.ee/i/?162>

2015 7th International Conference on Cyber Conflict : Architectures in Cyberspace 26-29 May 2015, Tallinn, Estonia

2015 http://www.ester.ee/record=b4459022*est https://ccdcoe.org/sites/default/files/multimedia/pdf/CyCon_2015_book.pdf

Utilising journey mapping and crime scripting to combat cyber crime

Sõmer, Tiia; Hallaq, Bil; Watson, Tim Proceedings of the 15th European Conference on Cyber Warfare and Security : ECCWS 2016 : hosted by Universität der Bundeswehr, Munich, Germany, 7-8 July 2016 2016 / p. 276-281 : ill

Utilising journey mapping and crime scripting to combat cybercrime and cyber warfare attacks

Sõmer, Tiia; Hallaq, Bil; Watson, Tim Journal of information warfare 2016 / p. 39-49 <https://www.jinfowar.com/journal-issue/volume-15-issue-4>

Variations on Noetherianness

Firsov, Denis; Uustalu, Tarmo; Veltri, Niccolo Proceedings 6th Workshop on Mathematically Structured Functional Programming (MSFP 2016) : Eindhoven, The Netherlands, 8 April 2016 2016 / p. 76-88 : ill <https://doi.org/10.4204/eptcs.207.4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Verifying response times in networked automation systems using jitter bounds

Srinivasan, Seshadhri; Vain, Jüri IEEE 25th International Symposium on Software Reliability Engineering Workshops : ISSREW 2014 : 3-6 November 2014, Naples, Italy : proceedings 2014 / p. 47-50 : ill

Visualising cyber crime based on the E-Crime Project : mapping the journeys of cyber criminals [Online resource]

Sõmer, Tiia Proceedings of the 2nd Interdisciplinary Cyber Research Workshop 2016 2016 / p. 26 http://cybercentre.cs.ttu.ee/wp/wp-content/uploads/2016/03/CRW_2016_lingitud.pdf http://www.ester.ee/record=b4579694*est

Опыт применения инструментальной системы SPADE в учебном процессе

Leppikson, Viktor Опыт применения технических средств в учебном процессе : тезисы докладов VI зональной научно-методической конференции преподавателей вузов республик Прибалтики, БССР и Калининградской области РСФСР 1986 / с. 174-176 https://www.ester.ee/record=b2856606*est

Опыт применения системы SPADE в задачах анализа линейных систем

Leppikson, Viktor Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио. Секция "Схемотехника" 1980 / с. 23-24 https://www.ester.ee/record=b1304217*est

Ученый-компьютерщик: ограничения США на поставки чипов замедлят цифровое развитие Эстонии

rus.err.ee 2025 [Ученый-компьютерщик: ограничения США на поставки чипов замедлят цифровое развитие Эстонии](#)