

A test-bed for time-sensitive agents - some involved problems

Mõtus, Leo; Meriste, Merik; Kelder, Tõnis; Helekivi, Jüri; Kimlaychuk, Vadim 9th IEEE Conference on Emerging Technologies and Factory Automation (ETFA'2003) : Calouste Gulbenkian Foundation, Lisbon, Portugal, 16-19 September 2003. 2 2003 / p. 645-651 <https://ieeexplore.ieee.org/document/1248759>

Agent-based templates for implementing proactive real-time systems

Mõtus, Leo; Meriste, Merik; Kelder, Tõnis; Helekivi, Jüri Proceedings of the International Conference on Computing, Communications, and Control Technologies : Texas, USA, 2004. Vol. 1 2004 / p. 199-204

Agent-oriented modelling for simulation of complex environments

Shvartsman, Inna; Taveter, Kuldar; Parmak, Merle; **Meriste, Merik** Proceedings of the International Multiconference on Computer Science and Information Technology (IMCSIT 2010) : Wisla, Poland, 18-20.10.2010 2010 / p. 209-216 : ill <https://annals-csis.org/proceedings/2010/pliks/177.pdf>

An architecture for a multiagent systems test-bed [Electronic resource]

Mõtus, Leo; Meriste, Merik; Kelder, Tõnis; Helekivi, Jüri Proceedings of the 15th IFAC World Congress : Barcelona, Spain, 2002 2002 / [7] p. : ill. [CD-ROM]

Attributed automata model of computing

Penjam, Jaan; Meriste, Merik Abstracts of NWPT'96, Oslo 1996 1996 / p. 21

Attributed models of computing

Meriste, Merik; **Penjam, Jaan** Proceedings of the Estonian Academy of Sciences. Engineering 1995 / 2, p. 139-157: ill

Attributed models of executable specifications

Meriste, Merik; **Penjam, Jaan** Proceedings of PLILP '95 1995 / p. 459-460

C# templates for time-aware agents

Meriste, Merik; **Mõtus, Leo;** Kelder, Tõnis; Helekivi, Jüri Proc. 7th International Conference on Enterprise Information Systems : ICEIS2005. 4 2005 / p. 247-250 <https://www.scitepress.org/PublishedPapers/2005/25084/25084.pdf>

Centers of excellence at the service of economical and social needs in Estonia

Meriste, Merik; **Penjam, Jaan** Baltic IT review 1998 / 2, p. 68-71

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

Data exchange for shared situation awareness

Preden, Jürjo-Sören; Mõtus, Leo; Pahtma, Raido; Meriste, Merik CogSIMA 2012 : 2012 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support : [proceedings] 2012 / p. 198-201 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6188380>

Domain-specific language agents

Meriste, Merik; Kelder, Tõnis; Helekivi, Jüri; **Mõtus, Leo** Proceedings of the Eighth Symposium on Programming Languages and Software Tools, SPLST'03 : Kuopio, Finland, June 17-18, 2003 2003 / p. 82-90 : ill https://www.researchgate.net/publication/220919172_Domain-Specific_Language_Agents

Domain-specific language agents [Electronic resource]

Meriste, Merik; Helekivi, Jüri; Kelder, Tõnis; **Mõtus, Leo** Proceedings of the International Conference on Advances in Infrastructure for Electronic Business, Education, Science and Medicine on the Internet, L'Aquila, Italy, 2002 2002 / [8] p. [CD-ROM] https://www.researchgate.net/publication/220919172_Domain-Specific_Language_Agents

Eesti ülikoolide ja infotehnoloogiafirmade koostööst

Jaakkola, Hannu; **Kalja, Ahto;** Meriste, Merik Arvutimaailm 1998 / 1, lk. 28-31: ill

Effects of culture on public behavior patterns in crisis situations

Teichmann, Mare; Kaugerand, Jaanus; Ehala, Johannes; Meriste, Merik; Rannat, Kalev Proceedings of Conference on Cognitive and Computational Aspects of Situation Management 2023 2024 / p. 66 - 79 <https://doi.org/10.29007/r4p9> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Enhancing the quality of contingency planning by simulation

Honkavuo, Hanna; Jähi, Markus; Kosonen, Ari; Piira, Kalevi; **Rannat, Kalev**; Soininen, Jari; **Meriste, Merik**; **Taveter, Kuldar** ISCRAM2015 conference proceedings : 12th International Conference on Information Systems for Crisis Response and Management : Kristiansand, May 24-27 2015 / [6] p. : ill

Enriching interactive components with again commands

Dosch, W.; Meriste, Merik; **Mõtus, Leo** Proceedings of the 2007 IEEE International Conference on Electro/Information Technology : Chicago, Illinois, May 17-20, 2007. 1 2007 / p. 200-205

How can agents help in designing complex systems?

Taveter, Kuldar; **Meriste, Merik** Journal of telecommunication, electronic and computer engineering 2017 / p. 1-8 : ill
<http://journal.utem.edu.my/index.php/jtec/issue/view/140> [Journal metrics at Scopus](#) [Article at Scopus](#)

ICMS User Handbook V2 [Electronic resource]

Frings, Sandra; Engelbach, Wolf; Havlik Denis; **Taveter, Kuldar**; **Meriste, Merik**; **Rannat, Kalev** 2015
http://www.crismaproject.eu/deliverables/CRISMA_D362_public.pdf

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

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

Indicators to compare simulated crisis management strategies

Engelbach, W.; Frings, S.; **Meriste, Merik** IDRC Davos 2014 "Integrative Risk Management - The Role of Science, Technology and Practice" : extended abstracts, oral presentations, special panels, sessions and workshops : 24-28 August 2014, Davos, Switzerland 2014 / p. 225-228 : ill

Interactive maps for knowledge based guidance of UAV

Meriste, Merik; **Mõtus, Leo**; **Kelder, Tõnu**; Helekivi, Jüri; Polikarpus, M. Proceedings : SCI-202 Symposium on Intelligent Uninhabited Vehicle Guidance Systems : München, 30 June - 2 July 2009 2009 / p. 14-1 - 14-22

Interactive virtual world models for crisis preparedness - better than the real thing?

Havlik, Denis; Engelbach, Wolf; Erlich, Marc; **Meriste, Merik** The International Emergency Management Society -TIEMS- : Evolving Threats and Vulnerability Landscape : New Challenges for the Emergency Management : proceedings of the International Emergency Management Society (TIEMS), 22nd TIEMS Annual Conference, Rome, Italy, September 30 - October 2, 2015 2015 / [11] p
<http://publica.fraunhofer.de/documents/N-374904.html>

Let's add highly stressed people to the cyber-physical-social system

Teichmann, Mare; **Ehala, Johannes**; **Kaugerand, Jaanus**; **Meriste, Merik**; **Rannat, Kalev** Proceedings of Conference on Cognitive and Computational Aspects of Situation Management 2023 2024 / p. 54-65 <https://doi.org/10.29007/mzbq> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Location awareness of information agents

Meriste, Merik; Helekivi, Jüri; **Kelder, Tõnis**; Marandi, Andres; **Mõtus, Leo**; **Preden, Jürjo-Sören** Advances in Databases and Information Systems : 9th East European Conference, ADBIS 2005 : Tallinn, Estonia, September 12-15, 2005 : proceedings 2005 / p. 199-208 : ill https://link.springer.com/chapter/10.1007/11547686_15

A method of conceptual modelling for realistic training scenarios

Shvartsman, Inna; **Taveter, Kuldar**; **Meriste, Merik** ICAART 2013 - proceedings of the 5th International Conference on Agents and Artificial Intelligence, : Barcelona, Spain, 15-18 February, 2013. Volume 1 2013 / p. 443-446

Models of attributed automata

Meriste, Merik; **Penjam, Jaan**; Vene, Varmo Informatica 1998 / 1, p. 85-105: ill

Models of indoor environments – a generic interactive model for design and simulation of building automation

Rannat, Kalev; **Meriste, Merik**; Helekivi, Jüri; **Kelder, Tõnis** Situational awareness for assistive technologies 2012 / p. 165-186
<https://ebooks.iospress.nl/DOI/10.3233/978-1-61499-123-6-165>

Network enabled capabilities - grassroots perspectives

Mõtus, Leo; **Meriste, Merik**; **Preden, Jürjo-Sören** NATO RTO/IST Symposium on "Dynamic Communication Management" 2006 / p. 16-1 - 16-13 https://www.researchgate.net/publication/235064712_Network_Enabled_Capabilities_-_Grassroots_Perspectives

NNEC technologies focused on use by semi-autonomous groups

Mõtus, Leo; **Meriste, Merik**; **Preden, Jürjo-Sören** Proceedings : SCI-187 Symposium on Agility, Resilience and Control in NEC : Amsterdam, 27-29 May 2008 2008 / [16] p

Olukorrateadliku käitumise matkimine otsustustoes

Meriste, Merik; **Rannat, Kalev**; **Mõtus, Leo**; **Teichmann, Mare**; **Kelder, Tõnis**; Helekivi, Jüri Sõjateadlane 2020 / p. 177-206

https://www.ester.ee/record=b4555087*est

On dynamic models for wind farms as systems of systems

Rannat, Kalev; Meriste, Merik; Mõtus, Leo; Preden, Jürjo-Sören 2012 7th International Conference on System of Systems Engineering : July 16-19, 2012, Genova, Italy : proceedings 2012 / p. 113-118 : ill <https://ieeexplore.ieee.org/document/6384160>

On geospatial agents

Meriste, Merik; Mõtus, Leo; Kelder, Tõnis; Helekivi, Jüri; Marandi, Andres Proc. 1st International Conference on Web Information Systems and Technologies : WEBIST2005 2005 / p. 210-213 <https://www.scitepress.org/PublishedPapers/2005/12304/12304.pdf>

On kenetic design of systems

Meriste, Merik; Mõtus, Leo 14th Nordic Workshop on Programming Theory : NWPT 2002, Tallinn, Estonia, 20-22 November 2002 : abstracts 2002 / p. 73-74

On models for time-sensitive interactive computing

Meriste, Merik; Mõtus, Leo Computational Science - ICCS 2002 : International Conference, Amsterdam, The Netherlands, April 21-24, 2002 : proceedings. Part I 2002 / p. 156-165 <https://www.semanticscholar.org/paper/On-Models-for-Time-Sensitive-Interactive-Computing-Meriste-Motus/c32ffaa65faa1dc661dee81ae849de2c8b48bc42>

Proaktiivsed tehnoloogiad meil ja mujal

Mõtus, Leo; Meriste, Merik Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 95-104 : ill

Proaktiivsed tehnoloogiad meil ja mujal

Mõtus, Leo; Meriste, Merik Tallinna Tehnikaülikooli aastaraamat 2008 2009 / lk. 50-62 : ill

Proceedings of the Ninth Symposium on Programming Languages and Software Tools : Tartu, Estonia, August 13-14, 2005

Vene, Varmo; Meriste, Merik 2005 https://www.ester.ee/record=b2060802*est

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

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

A reference decision model of first responders' decision-making

Rosquist, Tony; Havlik, Denis; Meriste, Merik International journal of emergency management 2017 / p. 193-209 <https://doi.org/10.1504/IJEM.2017.085003> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

Research Laboratory for Proactive Technologies, Department of Computer Control, Tallinn University of Technology : annual report 2008

2009 http://www.ester.ee/record=b2508511*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>

Simulations tool for crisis management strategies and planned actions V2 [Electronic resource]

Taveter, Kuldar; Scholl, Martin; Schlobinski, Sascha; Ma, Lixin; Meriste, Merik 2014 http://www.crismaproject.eu/deliverables/CRISMA_D443_public.pdf

Situation awareness for networked systems

Preden, Jürjo-Sören; Mõtus, Leo; Meriste, Merik; Riid, Andri 2011 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support : CogSIMA : Miami, USA, 22-24 Februar 2011 2011 / p. 123-130 : ill

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

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

Süsteemide süsteemi olukorra hindamisest selle komponentide võimemudelite abil

Mõtus, Leo; Teichmann, Mare; Meriste, Merik; Rannat, Kalev; Priisalu, Jaan; Kaugerand, Jaanus Sõjateadlane 2020 / Lk. 238-260 https://www.ester.ee/record=b4555087*est

The co-operation of universities and IT companies in Estonia

Jaakkola, Hannu; **Kalja, Ahto**; Meriste, Merik Pioneering New Technologies : Management Issues and Challenges in the Third Millennium : IEMC '98 proceedings, International Conference on Engineering and Technology Management : October 11 to 13, 1998, San Juan, Puerto Rico, USA 1998 / p. 202-206

The future of educating IT professionals in Estonia

Jaakkola, Hannu; **Kalja, Ahto**; Meriste, Merik Baltic IT review 1998 / 3, p. 50-53: ill

Time modelling for requirements and specification analysis

Mõtus, Leo; Meriste, Merik 27th IFAC/IFIP/IEEE Workshop on Real-time Programming : Swiebodzin, Poland, 2003 2003 / p. 13-18

Time-awareness and proactivity in models of interactive computation

Mõtus, Leo; Meriste, Merik; Dosch, Walter Electronic notes in theoretical computer science 2005 / p. 69-95 : ill

<https://www.sciencedirect.com/science/article/pii/S157106610505190X>

Time-awareness and proactivity in models of interactive computation

Dosch, W.; Meriste, Merik; **Mõtus, Leo** Workshop on the Foundations of Interactive Computation, Scotland, 2005 2005 / p. 46-61

<https://www.sciencedirect.com/science/article/pii/S157106610505190X>

Towards middleware based situation awareness

Mõtus, Leo; **Meriste, Merik**; **Preden, Jürjo-Sören** Military Communications Conference - 2009 : MILCOM 2009 : 18-21 October 2009. 5th IEEE Workshop on Situation Management : SIMA 2009 : Boston, 19-21 October 2009 / [7] p

<https://ieeexplore.ieee.org/document/5379986>

Towards self-organising time-sensitive control system's software

Mõtus, Leo; Meriste, Merik IFAC Conference on New Technologies for Computer Control : NTCC 2001 : 19-22 November 2001, Hong Kong : final program and abstracts 2001 / p. 236-241 <https://www.sciencedirect.com/science/article/pii/S1474667017329440>

Towards time-awareness of self-organising systems [Electronic resource]

Mõtus, Leo; Meriste, Merik International Conference on Advances in Infrastructure for Electronic Business, Science, and Education on the Internet : SSGRR 2001 : L'Aquila, August 6-12, 2001 : proceedings 2001 / [6] p. : fot

Training support for crisis managers with elements of serious gaming

Havlik, Denis; Deri, Oren; **Rannat, Kalev**; Warum, Manuel; Rafalowski, Chaim; **Taveter, Kuldar**; Kutschera, Peter; **Meriste, Merik** Environmental Software Systems : Infrastructures, Services and Applications : 11th IFIPWG 5.11 International Symposium, ISESS 2015, Melbourne, VIC, Australia, March 25-27, 2015 : proceedings 2015 / p. 217-225 : ill http://dx.doi.org/10.1007/978-3-319-15994-2_21

Validated simulation tool for crisis management strategies and planned actions [Electronic resource]

Taveter, Kuldar; **Meriste, Merik**; **Rannat, Kalev**; Jähi, Markus; Dihe, Pascal; Scholl, Martin; Guarino, Sergio 2015

http://www.crismaproject.eu/deliverables/CRISMA_D444_public.pdf

Version 2 of Model for Decision-making assessment, and Economic impacts and consequences [Electronic resource]

Engelbach, Wolf; Frings, Sandra; Sautter, Johannes; **Taveter, Kuldar**; Ma, Lixin; **Meriste, Merik** 2014

http://www.crismaproject.eu/deliverables/CRISMA_D442_public.pdf

Virumaa ja Tartu kolledž õpetavad tarku süsteeme looma

Roosileht, Mare; **Meriste, Merik** Mente et Manu 2018 / lk. 39 : fot <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/>

http://www.ester.ee/record=b1242496*est https://artiklid.elnet.ee/record=b2836039*est