

A scalable multi-agent architecture in environments with limited connectivity : case study on individualised care for healthy pregnancy

Mahunnah, Msury; Taveter, Kuldar 2013 7th IEEE International Conference on Digital Ecosystems and Technologies (DEST) : special theme - smart planet and cyber physical systems as embodiment of digital ecosystems : Menlo Park, California, USA, 24–26 July 2013 2013 / p. 84-89 : ill

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. 2003 / p. 645-651 <https://ieeexplore.ieee.org/document/1248759>

Agent-oriented engineering of trust management systems

Zupancic, Eva; Trcek, Denis; **Taveter, Kuldar** AT 2012 : Agreement Technologies : proceedings of the First International Conference on Agreement Technologies : Dubrovnik, Croatia, October 15-16, 2012 2012 / p. 349-350 https://www.researchgate.net/publication/265087406_Agent-Oriented_Engineering_of_Trust_Management_Systems

Akadeemikust õppejõud ja tema multiagentsüsteemid : [intervjuu Leo Mõtusega]

Kello, Karl; **Mõtus, Leo** Õpetajate Leht 2009 / 9. okt., lk. 7 : fot <https://dea.digar.ee/page/opetajateleht/2009/10/09/7>

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]

Authentication using shared knowledge : learning agents

Kimlaychuk, Vadim Intelligent autonomous systems 12. Vol. 2, Proceedings of the 12th International Conference IAS-12, held June 26-29, 2012 : Jeju Island, Korea 2013 / p. 523-531 : ill https://doi.org/10.1007/978-3-642-33932-5_48 [Conference Proceedings at Scopus Article at Scopus](#)

Business-intelligence mining of large decentralized multimedia datasets with a distributed multi-agent system

Qayumi, Karima; **Norta, Alexander** International journal of computer, electrical, automation, control and information engineering 2016 / p. 1126-1135 : ill <http://scholar.waset.org/1999.4/10004765>

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>

A chance-constrained decentralized operation of multi-area integrated electricity–natural gas systems with variable wind and solar energy

Qi, Feng; Shahidehpour, Mohammad; Li, Zhiyi; **Wen, Fushuan;** Shao, Changzhen IEEE Transactions on sustainable energy 2020 / p. 2230-2240 <https://doi.org/10.1109/TSTE.2019.2952495>

Chaos control in multi-agent hierarchical teamwork

Kälo, Rommi; Eerme, Martin; Reedik, Vello Socio-technical synergetics 2024 / p. 125-159 : ill https://www.ester.ee/record=b5651350*est

Concluding remarks

Reedik, Vello Socio-technical synergetics 2024 / p. 160-164 https://www.ester.ee/record=b5651350*est

Coordinated PI-based frequency deviation control of isolated hybrid microgrid : an online multi-agent tuning approach via reinforcement learning

Nosrati, Komeil; Tepljakov, Aleksei; Petlenkov, Eduard; Levron, Yoash; **Škiparev, Vjatšeslav; Belikov, Juri** 2022 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : proceedings 2022 / p. 1-5 : ill <https://doi.org/10.1109/ISGT-Europe54678.2022.9960311>

Decentralized privacy-preserving operation of multi-area integrated electricity and natural gas systems with renewable energy resources

Qi, Feng; Shahidehpour, Mohammad; **Wen, Fushuan;** Li, Zhiyi; He, Yubin; Yan, Mingyu IEEE Transactions on sustainable energy 2020 / p. 1785-1796 <https://doi.org/10.1109/TSTE.2019.2940624>

Designing adaptive multi-agent systems by agent-oriented modelling

Taveter, Kuldar; Kirikal, Kristi Proceedings of the 18th IFAC World Congress, 2011 : Milano, Italy, August 28 - September 2, 2011 2011 <https://folk.ntnu.no/skoge/prost/proceedings/ifac11-proceedings/data/html/papers/3497.pdf>

Distributed adaptive network with SNR weighed communication

Ulp, Sander; Trump, Tõnu 2015 Third International Conference on Digital Information, Networking, and Wireless Communications (DINWC 2015) : Moscow, Russia, 3-5 February 2015 2015 / p. 83-87 : ill

A Distributed DoS detection scheme for NoC-based MPSoCs

Chaves Arroyave, Cesar Giovanni; Azad, Siavoosh Payandeh; Hollstein, Thomas; Sepulveda, Johanna 2018 IEEE Nordic Circuits and Systems Conference (NORCAS) : NORCHIP and International Symposium of System-on-Chip (SoC) : 30-31 October 2018, Tallinn, Estonia : proceedings in IEEE Xplore 2018 / 6 p. : ill <https://doi.org/10.1109/NORCHIP.2018.8573524>

Emergence of communication and common vocabulary in multiagent environment

Henno, Jaak Information Modelling and Knowledge Bases XIV 2003 / p. 198-206

Emergence of communication and creation of common vocabulary in multi-agent environment

Henno, Jaak Proceedings of the 12th European-Japanese Conference on Information Modelling and Knowledge Bases : May 27-30, 2002, Krippen, Swiss Saxony, near Dresden, Germany 2002 / p. 225-233 : ill

Enabling secure MPSoC dynamic operation through protected communication

Azad, Siavoosh Payandeh; Niazmand, Behrad; Jervan, Gert; Sepulveda, Johanna 2018 25th IEEE International Conference on Electronics Circuits and Systems (ICECS), Bordeaux, France, December 9–12, 2018 2018 / p. 481-484 : ill
<https://doi.org/10.1109/ICECS.2018.8617940>

Engineering societal information systems by agent-oriented modeling

Taveter, Kuldar; Du, Hongying; Huhns, Michael N. Journal of ambient intelligence and smart environments 2012 / p. 227-252
<https://content.iospress.com/articles/journal-of-ambient-intelligence-and-smart-environments/ais149>

An enhanced NN-based load frequency control design of MGs : a fractional order modeling method

Škiparev, Vjatšeslav; Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227392>

Heuristics for designing and evaluating socio-technical agent-oriented behaviour models with Coloured Petri Nets

Mahunnah, Msury; Norta, Alexander; Ma, Lixin; Taveter, Kuldar IEEE 38th Annual International Computers, Software and Applications Conference Workshops : 27-29 July 2014, Västerås, Sweden : proceedings 2014 / p. 438-443 : ill

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

Intelligent navigation control of mobile robots in unknown environment

Shvarts, Dmitry 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 39-42 : ill

Joint planning of EV fast charging stations and power distribution systems with balanced traffic flow assignment

Yang, Wentao; Liu, Weijia; Chung, Chi Yung; **Wen, Fushuan** IEEE transactions on industrial informatics 2021 / p. 1795–1809 : ill
<https://doi.org/10.1109/TII.2020.2995742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Learning in multi-agent systems

Henno, Jaak Information modelling and knowledge bases. XIII 2002 / p. 63-82 : ill

Machine learning meets communication networks : current trends and future challenges

Ahmad, Ijaz; Shahabuddin, Shariar; Malik, Hassan; Leppänen, Teemu; Loven, Lauri; Anttonen, Antti; Sodhro, Ali Hassan; **Alam, Muhammad Mahtab;** Juntti, Markku; Ylä-Jääski, Antti IEEE Access 2020 / art. 9274307, p. 223418-223460
<https://doi.org/10.1109/ACCESS.2020.3041765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Model checking of emergent behaviour properties of robot swarms

Juurik, Silver; Vain, Jüri Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 48-54 : ill
https://www.researchgate.net/publication/228525009_Model_checking_of_emergent_behaviour_properties_of_robot_swarms

Multiagent modelling of a bacterial cell, a DnaA titration model based agent model as an example

Lints, Taivo Proceedings of the Ninth Symposium on Programming Languages and Software Tools : Tartu, Estonia, August 13-14, 2005 2005 / p. 82-96 : ill

Multi-Agent systems and Blockchain: results from a systematic literature review

Calvares, Davide; Dubovitskaya, Alevtina; Calbimonte, Jean Paul; **Taveter, Kuldar;** Schumacher, Michael Advances in Practical Applications of Agents, Multi-Agent Systems, and Complexity: The PAAMS Collection : 16th International Conference, PAAMS 2018,

Toledo, Spain, June 20–22, 2018 : proceedings 2018 / p. 110-126 https://doi.org/10.1007/978-3-319-94580-4_9 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On chaos control in hierarchical multi-agent systems

Kälo, Rommi; Eerme, Martin; Reedik, Vello Proceedings of the Estonian Academy of Sciences 2015 / p. 17-21 : ill https://artiklid.elnet.ee/record=b2717478*est <https://doi.org/10.3176/proc.2015.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

A self-aware contract for decentralized peer-to-peer (P2P) commerce

Dixit, Abhishek; Norta, Alexander 2018 IEEE 3rd International Workshops on Foundations and Applications of Self* Systems : (FAS*W), 3–7 September, 2018 Trento, Italy : proceedings 2018 / p. 17-19 <http://doi.org/10.1109/FAS-W.2018.00018>

Simulating System of Systems using MACE

Tomson, Timo; Preden, Jürjo-Sören UKSim 15th International Conference on Computer Modelling and Simulation : 10-12 April 2013, Cambridge, United Kingdom : proceedings 2013 / p. 155-160 : ill

Simulations in multi-agent communication system = Simulatsioonid multiagentsüsteemis

Kimlaychuk, Vadim 2012 https://www.ester.ee/record=b2869082*est

SOA integration aspects for large companies

Kimlaychuk, Vadim Proceedings of the IADIS International Conference Information Systems 2008 : Algarve, Portugal, April 9-11, 2008 2008 / ? p <https://www.iadisportal.org/digital-library/soa-integration-aspects-for-large-companies>

Socio-technical synergetics

Reedik, Vello 2024 https://www.ester.ee/record=b5651350*est

Some issues in multi-agent resource allocation

Veski, Andre Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 101-104

Supporting evolving multi-agent systems with a system evolution directory

Lu, B.; Sterling, Leon; **Taveter, Kuldar** Proceedings of the 19th Australian Software Engineering Conference (ASWEC 2008) : Perth, Western Australia, March 26-28, 2008 2008 / p. 180-189 <https://ieeexplore.ieee.org/document/4483206>

Synergy deployment in multi-agent modular systems

Sarkans, Martinš; Eerme, Martin; Reedik, Vello; Roosimõlder, Lembit Socio-technical synergetics 2024 / p. 102-124 : ill https://www.ester.ee/record=b5651350*est

Synergy-based chaos control in the multi-agent hierarchical systems = Sünergiapõhine kaose juhtimine paljuagentsetes hierarhilistes süsteemides

Kälo, Rommi 2016 <http://digi.lib.ttu.ee/i/?6210> https://www.ester.ee/record=b4601192*est

The role of the environment in agreement technologies

Argente, Estefania; Boissier, Olivier; **Taveter, Kuldar** Artificial intelligence review 2013 / p. 21-38 : ill <https://doi.org/10.1007/s10462-012-9388-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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>

Two-Stage Self-Healing Restoration Strategy Considering Operating Performance

Pang, Kaiyuan; Wang, Chongyu; **Wen, Fushuan; Palu, Ivo**; Feng, Changsen; Yang, Zeng; Chen, Minghui; Zhao, Hongwei; Shang, Huiyu Journal of Energy Engineering 2020 [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000683](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000683) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Understanding MPSoCs : exploiting memory microarchitectural vulnerabilities of high performance NoC-based MPSoCs
Sepulveda, Johanna; **Azad, Siavoosh Payandeh; Niazmand, Behrad; Jervan, Gert** SAMOS '18 : Proceedings of the 18th International Conference on Embedded Computer Systems: Architectures, Modeling, and Simulation, Pythagorion, Greece, July 15-19, 2018 2018 / p. 162-166 <https://doi.org/10.1145/3229631.3239367> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)