

### **About the essence of intelligence – will artificial intelligence (ever) cover human intelligence?**

Jaakkola, Hannu; Thalheim, Bernhard; Henno, Jaak Information Modelling and Knowledge Bases XXXIII 2021 / p. 19-43

<https://doi.org/10.3233/FAIA210475> [Journal metrics at Scopus](#) [Article at Scopus](#)

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Tõugu, Enn Information modelling and knowledge bases XXVII 2016 / p. 129-136 <https://doi.org/10.3233/978-1-61499-611-8-129>

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Riid, Andri; Rüstern, Ennu Information sciences 2014 / p. 301-312 : ill <https://doi.org/10.1016/j.ins.2012.12.048> [Journal metrics at](#)

[Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Advanced rich transcription system for Estonian speech**

Alumäe, Tanel; Tiik, Ottokar; Ullah, Asad Human Language Technologies - the Baltic Perspective : Proceedings of the Eighth

International Conference, Baltic HLT 2018 2018 / p. 1-8 <https://doi.org/10.3233/978-1-61499-912-6-1> [Conference proceedings at Scopus](#)

[Article at Scopus](#) [Article at WOS](#)

### **Android malware concept drift using system calls : detection, characterization and challenges**

Guerra Manzanares, Alejandro; Luckner, Marcin; Bahsi, Hayretidin Expert systems with applications 2022 / art. 117200, 19 p. : ill

<https://doi.org/10.1016/j.eswa.2022.117200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Anti-money laundering powered by graph machine learning: 'Show me your friends and I will tell you who you are'**

Astrova, Irina Intelligent decision technologies 2023 / p. 243-261 <https://doi.org/10.3233/IDT-220193> [Journal metrics at Scopus](#) [Article](#)

[at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of genetic algorithms to neural networks based control of a liquid level tank system**

Vassiljeva, Kristina; Belikov, Juri; Petlenkov, Eduard 2014 International Joint Conference on Neural Networks (IJCNN) : July 6-

11, 2014, Beijing, China 2014 / p. 2525-2530 : ill <https://doi.org/10.1109/IJCNN.2014.6889912> [Conference proceedings at Scopus](#) [Article](#)

[at Scopus](#) [Article at WOS](#)

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Robal, Tarmo; Kalja, Ahto Databases and information systems VII : selected papers from the tenth International Baltic Conference,

DB&IS 2012 2013 / p. 118-131 <https://doi.org/10.3233/978-1-61499-161-8-118> [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, Urmaz; 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](#)

### **An automated method for mining high-quality assertion sets**

Heidari Iman, Mohammad Reza; Raik, Jaan; Jenihhin, Maksim; Jervan, Gert; Ghasempouri, Tara Microprocessors and

microsystems 2023 / art. 104773 <https://doi.org/10.1016/j.micpro.2023.104773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal](#)

[metrics at WOS](#) [Article at WOS](#)

### **Automatic distribution of local testers for testing distributed systems**

Vain, Jüri; Halling, Evelin; Kanter, Gert; Anier, Aivo; Pal, Deepak Databases and information systems IX : selected papers from

the twelfth International Baltic Conference, DB&IS 2016 2016 / p. 297-310 : ill <https://doi.org/10.3233/978-1-61499-714-6-297> [Conference](#)

[Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Automatic speech recognition system for Lithuanian broadcast audio**

Alumäe, Tanel; Tiik, Ottokar Human Language Technologies - the Baltic Perspective : proceedings of the Seventh International

Conference, Baltic HLT 2016 2016 / p. 39-45 : tab <https://doi.org/10.3233/978-1-61499-701-6-39> [Conference Proceedings at Scopus](#)

[Article at Scopus](#) [Article at WOS](#)

### **Basic values in artificial intelligence : comparative factor analysis in Estonia, Germany, and Sweden**

Masso, Anu; Kaun, Anne; Noordt, Colin Pascal van AI & Society : Knowledge, Culture and Communication 2024 / p. 2775-2790

<https://doi.org/10.1007/s00146-023-01750-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Business domain modelling with business archetypes and archetype patterns**

Piho, Gunnar; Tepandi, Jaak Information Modelling and Knowledge Bases XXIV 2013 / p. 221-240 <https://doi.org/10.3233/978-1-61499-177-9-221> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Business satisfaction with e-government services in Baltic Sea region**

Kindel, Kristiina; Ritso, Valter; Venesaar, Urve Databases and information systems VIII : selected papers from the Eleventh

International Baltic Conference, DB&IS 2014 2014 / p. 217-230 : ill <https://doi.org/10.3233/978-1-61499-458-9-217> [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Calculation of probabilistic testability measures for digital circuits with Structurally Synthesized BDDs**

**Jürimägi, Lembit; Ubar, Raimund-Johannes; Jenihhin, Maksim; Raik, Jaan** Microprocessors and microsystems 2020 / art. 103117, 12 p <https://doi.org/10.1016/j.micpro.2020.103117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving**

**Gu, Junyi; Bellone, Mauro;** Pivonka, Tomas; **Sell, Raivo** IEEE Transactions on Intelligent Vehicles 2024 / 12 p <https://doi.org/10.1109/TIV.2024.3454971> [Journal metrics at Scopus](#) [Article at Scopus](#)

**A combined method for error and complexity reduction in fuzzy rule-based classification**

**Riid, Andri; Preden, Jürjo-Sören** IEEE International Conference on Fuzzy Systems : August 2-5, 2015, Istanbul, Turkey 2015 / [6] p. : ill <https://doi.org/10.1109/FUZZ-IEEE.2015.7337806> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Commercial property tokenizing with smart contracts**

**Norta, Alexander;** Fernandez, Chad; Hickmott, Stefan 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4801-4808 <https://doi.org/10.1109/IJCNN.2018.8489534> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Communication channel choice between enterprises and government**

**Kindel, Kristiina; Venesaar, Urve; Reidolf, Merli** Databases and Information Systems VII : selected papers from the tenth International Baltic Conference, DB&IS 2012 2013 / p. 218-231 [https://www.researchgate.net/publication/288761200\\_Communication\\_channel\\_choice\\_between\\_enterprises\\_and\\_government](https://www.researchgate.net/publication/288761200_Communication_channel_choice_between_enterprises_and_government) <https://doi.org/10.3233/978-1-61499-161-8-218> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A comparative study of minimally supervised morphological segmentation**

Ruokolainen, Teemu; Kohonen, Oskar; **Sirts, Kairit;** Grönroos, Stig-Arne; Kurimo, Mikko; Virpioja, Sami Computational linguistics 2016 / p. 91-120 : tab [https://doi.org/10.1162/COLI\\_a\\_00243](https://doi.org/10.1162/COLI_a_00243) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Computational intelligence approach for estimation of vehicle insurance risk level**

**Vassiljeva, Kristina; Tepļakov, Aleksej; Petlenkov, Eduard;** Netšajev, Eduard 2017 International Joint Conference on Neural Networks (IJCNN 2017) : Anchorage, Alaska, USA, 14-19 May 2017 2017 / p. 4073-4078 : ill <https://doi.org/10.1109/IJCNN.2017.7966370> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Contrastive Learning for Lane Detection via cross-similarity**

Zoljodi, Ali; Abadijoui, Sadegh; Alibeigi, Mina; **Daneshtalab, Masoud** Pattern Recognition Letters 2024 / p. 175-183 : ill <https://doi.org/10.1016/j.patrec.2024.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction to: Implementation and evaluation of the DAOM framework and support tool for designing blockchain decentralized applications (International Journal of Information Technology, (2021), 13, 6, (2245-2263), 10.1007/s41870-021-00816-6)**

**Udokwu, Chibuzor;** Brandtner, Patrick; **Norta, Alexander; Kormiltsõn, Aleksandr;** Matulevičius, Raimundas International Journal of Information Technology (Singapore) 2022 <https://doi.org/10.1007/s41870-022-01026-4> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Depth control of the biomimetic U-CAT turtle-like AUV with experiments in real operating conditions**

Chemori, Ahmed; **Kuusmik, Keijo; Salumäe, Taavi; Kruusmaa, Maarja** 2016 IEEE International Conference on Robotics and Automation : Stockholm, Sweden, May 16th-21st 2016 / p. 4750-4755 : ill <https://doi.org/10.1109/ICRA.2016.7487677> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Design and verification of Cyber-Physical Systems using TrueTime, evolutionary optimization and UPPAAL**

Balasubramanian, Sreram; Srinivasan, Seshadhri; Buonopane, Furio; Balasubramanian, Subathra; **Vain, Jüri;** Ramaswamy, Srinivasan Microprocessors and microsystems 2016 / p. 37-48 : ill <https://doi.org/10.1016/j.micpro.2015.12.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design of Cyber Bio-analytical Physical Systems : formal methods, architectures, and multi-system interaction strategies**

**Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas** Microprocessors and microsystems 2023 / art. 104780, 14 p. : ill <https://doi.org/10.1016/j.micpro.2023.104780> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design of fuzzy rule-based classifiers through granulation and consolidation**

**Riid, Andri; Preden, Jürjo-Sören** Journal of artificial intelligence and soft computing research 2017 / p. 137-147 : ill <https://doi.org/10.1515/jaiscr-2017-0010> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Development of a cognitive robotic system for simple surgical tasks**

Muradore, Riccardo; Fiorini, Paolo; **Li, Lin; Kruusmaa, Maarja; Ristolainen, Asko** International journal of advanced robotic systems

### **Development of a wireless communication network for monitoring and controlling of autonomous robots**

**Vu, Trieu Minh; Tamre, Mart;** Musalimov, Victor; Kovalenko, Pavel; Monahov, Juri International journal of robotics and automation 2018 / 16 p <https://doi.org/10.2316/Journal.206.2018.3.206-4759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of the corpus of Estonian adolescent speech**

**Meister, Lya; Meister, Einar** Human Language Technologies - the Baltic Perspective : Proceedings of the Sixth International Conference, Baltic HLT 2014 2014 / p. 206-209 <https://doi.org/10.3233/978-1-61499-442-8-206> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Digital transformation in business and management research : an overview of the current status quo**

Kraus, Sascha; **Durst, Susanne;** Ferreira, João J.; Veiga, Pedro; Kailer, Norbert; Weinmann, Alexandra International Journal of Information Management 2022 / Art. nr. 102466 <https://doi.org/10.1016/j.ijinfomgt.2021.102466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Digital twin as industrial robots manipulation validation tool**

**Kuts, Vladimir;** Marvel, Jeremy A.; Aksu, Murat; **Pizzagalli, Simone Luca;** **Sarkans, Martinš;** **Bondarenko, Yevhen;** **Otto, Tauno** Robotics 2022 / art. 113 <https://doi.org/10.3390/robotics11050113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Does knowledge retrieval improves work efficiency? An investigation under multiple systems use**

Sutanto, Juliana; Liu, Yi; Grigore, Mihai; **Lemmik, Rivo** International Journal of Information Management 2018 / p. 42 - 53 <https://doi.org/10.1016/j.ijinfomgt.2018.01.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Does serendipity enhance recommendation quality? Measuring accuracy and beyond-accuracy objectives of serendipitous POI suggestions**

**Ben Sassi, Imen;** **Järv, Priit;** **Ben Yahia, Sadok** 27th European Conference on Artificial Intelligence, 19-24 October 2024, Santiago de Compostela, Spain - Including 13th Conference on Prestigious Applications of Intelligent Systems (PAIS 2024) 2024 / p. 3096–3103 : ill <https://doi.org/10.3233/FAIA240852> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **EcoLight+ : a novel multi-modal data fusion for enhanced eco-friendly traffic signal control driven by urban traffic noise prediction**

**Ounoughi, Chahinez;** Ounoughi, Doua; **Ben Yahia, Sadok** Knowledge and information systems 2023 / p. 5309–5329 <https://doi.org/10.1007/s10115-023-01938-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **E-governance and integration in the European union**

**Ramiro Troitino, David;** **Mazur, Viktoria;** **Kerikmäe, Tanel** Internet of Things 2024 / art. 101321 <https://doi.org/10.1016/j.iot.2024.101321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **E-governance and the European Union : agenda for implementation**

**Ramiro Troitino, David** Internet of Things 2024 / art. 101352 <https://doi.org/10.1016/j.iot.2024.101352> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Emergence of information, communication and language**

**Henno, Jaak** Information modelling and knowledge bases XXIV 2013 / p. 277-299 <https://doi.org/10.3233/978-1-61499-177-9-277> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Enhanced approach of multilabel learning for the Arabic aspect category detection of the hotel reviews**

Ameur, Asma; Hamdi, Sana; **Ben Yahia, Sadok** Computational intelligence 2024 / art. e12609, 23 p. : ill <https://doi.org/10.1111/coin.12609> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ensemble of Tensor Train Decomposition and Quantization Methods for Deep Learning Model Compression**

**Ademola, Olutosin Ajibola;** **Petlenkov, Eduard;** **Leier, Mairo** 2022 International Joint Conference on Neural Networks (IJCNN) 2022 <https://doi.org/10.1109/IJCNN55064.2022.9892626> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **European Values, artificial intelligence and e-governance in Estonia and EU**

**Salumaa-Lepik, Kärt;** Nisu, Nele Internet of Things 2024 / art. 101278 <https://doi.org/10.1016/j.iot.2024.101278> [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**

**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 the Estonian audiovisual speech synthesis**

**Meister, Einar; Metsvahi, Rainer;** Fagel, Sascha Human Language Technologies - The Baltic Perspective: Proceedings of the Sixth International Conference Baltic HLT 2014 2014 / p. 11-18 : ill <https://doi.org/10.3233/978-1-61499-442-8-11> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Expectations of software development practitioners for non-technical clients**

**Ojastu, Deniss; Robal, Tarmo; Kalja, Ahto** Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 317-330 : ill <https://doi.org/10.3233/978-1-61499-458-9-317> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Explainability-based trust algorithm for electricity price forecasting models**

Heistrene, Leena; Machlev, Ram; Perl, Michael; **Belikov, Juri;** Baimel, Dmitry; Levy, Kfir; Mannor, Shie; Levron, Yoash Energy and AI 2023 / art 100259, 18 p <https://doi.org/10.1016/j.egyai.2023.100259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Explainable Artificial Intelligence (XAI) techniques for energy and power systems : review, challenges and opportunities**

Machlev, Ram; Heistrene, L.; Perl, M.; Levy, K. Y.; **Belikov, Juri;** Mannor, S.; Levron, Yoash Energy and AI 2022 / art. 100169, 13 p. : ill <https://doi.org/10.1016/j.egyai.2022.100169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A flapped paddle-fin for improving underwater propulsive efficiency of oscillatory actuation**

**Simha, Ashutosh; Gkliva, Roza; Kotta, Ülle; Kruusmaa, Maarja** IEEE robotics and automation letters 2020 / p. 3176-3181 <https://doi.org/10.1109/LRA.2020.2975747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **FLHex: a flapped-paddle hexapod for all-terrain amphibious locomotion**

Burzynski, Piotr; **Simha, Ashutosh; Kotta, Ülle;** Pawluszewicz, Ewa; Sastry, Shivakumar Bulletin of the Polish Academy of Sciences Technical Sciences 2021 / art. e139007, 9 p. : ill <https://doi.org/10.24425/bpasts.2021.139007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Flow aided path following of an underwater robot**

**Jung, David S.;** Pott, Peter P.; Salumäe, Taavi; **Kruusmaa, Maarja** 2013 IEEE International Conference on Robotics and Automation (ICRA) : Karlsruhe, Germany, May 6-10, 2013 2013 / p. 4602-4607 : ill <https://doi.org/10.1109/ICRA.2013.6631231> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Flow feature extraction for underwater robot localization : preliminary results**

**Muhammad, Naveed;** Strokina, Nataliya; **Toming, Gert; Tuhtan, Jeffrey Andrew;** Kämäräinen, Joni-Kristian; **Kruusmaa, Maarja** 2015 IEEE International Conference on Robotics and Automation (ICRA) : Washington State Convention Center, Seattle, Washington, May 26-30, 2015 2015 / p. 1125-1130 : ill <https://doi.org/10.1109/ICRA.2015.7139317> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A framework for improving web application user interfaces through immediate evaluation**

**Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto** Databases and information systems IX : selected papers from the twelfth International Baltic Conference, DB&IS 2016 2016 / p. 283-296 : ill <https://doi.org/10.3233/978-1-61499-714-6-283> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **From agent-oriented models to profile driven military training scenarios**

**Shvartsman, Inna; Taveter, Kuldar** Intelligent Distributed Computing VII : proceedings of the 7th International Symposium on Intelligent Distributed Computing - IDC 2013, Prague, Czech Republic, September 2013 2014 / p. 317-322 [https://doi.org/10.1007/978-3-319-01571-2\\_37](https://doi.org/10.1007/978-3-319-01571-2_37) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **From bench to bedside**

Arezzo, Alberto; **Kruusmaa, Maarja; Mylonas, George** IEEE Transactions on Medical Robotics and Bionics 2022 / p. 297 - 299 <https://doi.org/10.1109/TMRB.2022.3172013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Full-duplex Speech-to-text System for Estonian**

**Alumäe, Tanel** Human Language Technologies – The Baltic Perspective: Proceedings of the Sixth International Conference Baltic HLT 2014 2014 / p. 3-10 : ill <https://doi.org/10.3233/978-1-61499-442-8-3> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **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](#)

### **Game on! How gamified loyalty programs boost customer engagement value**

**Hollebeek, Linda Desiree;** Das, Kallol; Shukla, Yupal International journal of information management 2021 / art. 102308, 10 p. : ill <https://doi.org/10.1016/j.ijinfomgt.2021.102308> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A global survey of standardization and industry practices of automotive cybersecurity validation and verification testing processes and tools**

**Roberts, Andrew James**; Marksteiner, Stefan; Soyuturk, Mujdat; Yaman, Berkay; Yang, Yi SAE international journal of connected and automated vehicles 2023 / art. 12-07-02-0013 <https://doi.org/10.4271/12-07-02-0013> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Grounded multi-level computations**

**Henno, Jaak** Information modelling and knowledge bases XXVI 2014 / p. 140-151 <https://doi.org/10.3233/978-1-61499-472-5-140> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Guest editorial: Smart cities 2.0 : how artificial intelligence and internet of things are transforming urban living**

Chai, Zheng-Yi; Shah, Syed Attique; **Draheim, Dirk**; Hameed, Sufian; Rathore, Muhammad Mazhar Ullah IET Smart Cities 2024 / p. 129-131 <https://doi.org/10.1049/smc2.12091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Hardware-in-the-Loop test of an open loop fuzzy control method for decoupled electro-hydraulic antilock braking system**

**Aksjonov, Andrei**; Ricciardi, Vincenzo; Augsburg, Klaus; **Vodovozov, Valery**; **Petlenkov, Eduard** IEEE transactions on fuzzy systems 2020 / p. 965-975: ill <https://doi.org/10.1109/TFUZZ.2020.2965868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Harnessing graph neural networks to predict international trade flows**

**Sellami, Bassem**; **Ounoughi, Chahinez**; **Kalvet, Tarmo**; **Tiits, Marek**; Rincon-Yanez, Diego Big Data and Cognitive Computing 2024 / art. 65 <https://doi.org/10.3390/bdcc8060065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Higher education personnel's perceptions about telepresence robots**

**Leoste, Janika**; Virkus, Sirje; **Talisainen, Aleksei**; **Tammemäe, Kalle**; **Kangur, Katrin**; Petriashvili, Izabella Frontiers in Robotics and AI 2022 / 14 p. : ill <https://doi.org/10.3389/frobt.2022.976836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **How to select and weight context dimensions conditions for context-aware recommendation?**

Zammali, Saloua; **Ben Yahia, Sadok** Expert Systems with Applications 2021 / art. 115176 <https://doi.org/10.1016/j.eswa.2021.115176> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Implementation and evaluation of the DAOM framework and tool support for designing blockchain decentralized applications**

**Udokwu, Chibuzor**; Brandtner, Patrick; **Norta, Alexander**; **Kormiltsõn, Aleksandr**; Matulevičius, Raimundas International journal of law and information technology 2021 / p. 2245-2263 : ill <https://doi.org/10.1007/s41870-021-00816-6> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Implementation of a web-based remote control system for qZS DAB application using low-cost ARM platform**

Korzeniewski, Marek; Kulikowski, Krzysztof; **Zakis, Janis**; Jasiński, Marek Tomasz; Malinowski, Aleksander Bulletin of the Polish Academy of Sciences: Technical Sciences 2016 / p. 887-896 <https://doi.org/10.1515/bpasts-2016-0097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Information and information security**

**Henno, Jaak** Information modelling and knowledge bases XXVII 2016 / p. 103-120 <https://doi.org/10.3233/978-1-61499-611-8-103> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Information and interaction**

**Henno, Jaak** Information modelling and knowledge bases XXVIII 2017 / p. 426-449 <https://doi.org/10.3233/978-1-61499-720-7-426> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **An insight on mud behavior upon stepping**

**Godon, Simon Pierre**; **Ristolainen, Asko**; **Kruusmaa, Maarja** IEEE robotics and automation letters 2022 / p. 11039-11046 <https://doi.org/10.1109/LRA.2022.3194667> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Intelligent frequency control of AC microgrids with communication delay : an online tuning method subject to stabilizing parameters**

**Nosrati, Komeil**; **Škiparev, Vjatseslav**; **Tepljakov, Aleksei**; **Petlenkov, Eduard**; **Belikov, Juri** Energy and AI 2024 / art. 100421 <https://doi.org/10.1016/j.egyai.2024.100421> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Is Amazon Kinesis data analytics suitable as core for an event processing network model?**

Koschel, Arne; **Astrova, Irina**; Pakosch, Anna; Gerner, Christian; Schulze, Christin; Tyca, Matthias Proceedings of the 16th International Conference on Agents and Artificial Intelligence - Volume 3: ICAART, 2024 / p. 1036 - 1043 <https://doi.org/10.5220/0012432800003636> [Conference proceedings at Scopus](#) [Article at Scopus](#)

## **Iterative Learning based feedforward control for Transition of a Biplane-Quadrotor Tailsitter UAS**

Raj, Nidhish; **Simha, Ashutosh**; Kothari, Mangal; Abhishek; Banavar, Ravi N. 2020 IEEE International Conference on Robotics and Automation (ICRA), 31 May-31 Aug. 2020, Paris, France : proceedings 2020 / p. 321-327 : ill  
<https://doi.org/10.1109/ICRA40945.2020.9196671> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Keeping social distance in a classroom while interacting via a telepresence robot : a pilot study**

**Marmor, Kristel; Leoste, Janika**; Heidmets, Mati; **Rebane, Martin; Pöial, Jaanus; Kasuk, Tiina; Kangur, Katrin** Frontiers in Neurorobotics 2024 / art. 1339000 <https://doi.org/10.3389/fnbot.2024.1339000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Large-scale commonsense knowledge for default logic reasoning**

**Järv, Priit; Tammet, Tanel; Verrev, Martin; Draheim, Dirk** SN Computer Science 2023 / art. 550 <https://doi.org/10.1007/s42979-023-01963-2> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Legal dilemmas of Estonian artificial intelligence strategy : in between of e-society and global race**

**Kerikmäe, Tanel; Pärn-Lee, Evelin** AI & Society 2020 / 12 p <https://doi.org/10.1007/s00146-020-01009-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Machine learning techniques for wireless-powered ambient backscatter communications : enabling intelligent iot networks in 6g era**

Jameel, Furqan; **Sharma, Navuday**; Khan, Muhammad Awais; Khan, Imran; **Alam, Muhammad Mahtab**; Alam, Muhammad Mahtab; Mavromoustakis, Constandinos X. Internet of Things / 2020 [https://doi.org/10.1007/978-3-030-44907-0\\_8](https://doi.org/10.1007/978-3-030-44907-0_8) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Maneuvering on non-Newtonian fluidic terrain : a survey of animal and bio-inspired robot locomotion techniques on soft yielding grounds**

**Godon, Simon Pierre; Kruusmaa, Maarja; Ristolainen, Asko** Frontiers in Robotics and AI 2023 / art. 1113881  
<https://doi.org/10.3389/frobt.2023.1113881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Map-based localization and loop-closure detection from a moving underwater platform using flow features**

**Muhammad, Naveed; Fuentes-Pérez, Juan Francisco; Tuhtan, Jeffrey Andrew; Toming, Gert; Kruusmaa, Maarja**; Musall, Mark Autonomous robots 2019 / p. 1419-1434 : ill <https://doi.org/10.1007/s10514-018-9797-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Middleware for exchange and validation of context data and information**

**Preden, Jürjo-Sören**; Llinas, James; **Mötus, Leo** Context-enhanced information fusion : boosting real-world performance with domain knowledge 2016 / p. 205-230 : ill [https://doi.org/10.1007/978-3-319-28971-7\\_9](https://doi.org/10.1007/978-3-319-28971-7_9) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A 3D mixed reality visualization of network topology and activity results in better dyadic cyber team communication and cyber situational awareness**

Ask, Torvald F.; **Kullman, Kaur; Sütterlin, Stefan**; Knox, Benjamin James; Engel, Don; **Lugo, Ricardo Gregorio** Frontiers in Big Data 2023 / art. 1042783, 21 p. : ill <https://doi.org/10.3389/fdata.2023.1042783> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Model based Test framework for communications-critical internet of things systems**

**Pal, Deepak; Vain, Jüri** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 79-94 [https://www.eester.ee/record=b5203991\\*est](https://www.eester.ee/record=b5203991*est) <https://doi.org/10.3233/978-1-61499-941-6-79> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Model-based testing of autonomous robots using TestIt**

**Kanter, Gert; Vain, Jüri** Journal of reliable intelligent environments 2020 / p. 15-30 <https://doi.org/10.1007/s40860-019-00095-w> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Modeling and simulation of circuits with shared structurally synthesized BDDs**

**Ubar, Raimund-Johannes; Jürimägi, Lembit; Raik, Jaan; Viies, Vladimir** Microprocessors and microsystems 2017 / p. 56-61 : ill  
<https://doi.org/10.1016/j.micpro.2016.09.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling of the influence of drained areas on the environment**

**Vassiljev, Anatoli** Proceedings of the Fifteenth International Conference on Civil, Structural and Environmental Engineering Computing : Prague, Czech Republic, 1-4 September 2015 2015 / Paper 280 <https://doi.org/10.4203/ccp.108.280> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Motion tracking glove for augmented reality and virtual reality**

**Vu, Trieu Minh; Katushin, Nikita**; Pumwa, John Paladyn, journal of behavioral robotics 2019 / p. 160-166 : ill  
<https://doi.org/10.1515/pjbr-2019-0012> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Moving Hadoop to the Cloud for Big Data Analytics**

**Astrova, Irina;** Koschel, Arne; Heine, Felix; **Kalja, Ahto** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 195-209 <https://doi.org/10.3233/978-1-61499-941-6-195>  
[https://www.ester.ee/record=b5203991\\*est](https://www.ester.ee/record=b5203991*est) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Multi-domain recurrent neural network language model for medical speech recognition**

**Tilk, Ottokar; Alumäe, Tanel** Human language technologies - the Baltic perspective : proceedings of the sixth International Baltic Conference, Baltic HLT 2014 2014 / p. 149-152 : ill <https://doi.org/10.3233/978-1-61499-442-8-149> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Multi-label learning for aspect category detection of Arabic hotel reviews using AraBERT**

Ameur, Asma; Hamdi, Sana; **Ben Yahia, Sadok** ICAART 2023 - Proceedings of the 15th International Conference on Agents and Artificial Intelligence. Volume 2 2023 / p. 241-250 <https://doi.org/10.5220/0011694800003393> [Conference Proceedings 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](#)

### **Nonlinear orientation controller for a compliant robotic fish based on asymmetric actuation**

**Meurer, Christian; Simha, Ashutosh; Kotta, Ülle; Kruusmaa, Maarja** 2019 International Conference on Robotics and Automation : ICRA 2019, Palais des Congres de Montreal, Canada, 20-24 May, 2019 2019 / Art. 8793892 ; p. 4688-4694 <https://doi.org/10.1109/ICRA.2019.8793892> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A novel short receptive field based dilated causal convolutional network integrated with Bidirectional LSTM for short-term load forecasting**

Javed, Umar; Ijaz, Khalid; Jawad, Muhammad; Khosa, Ikramullah; Ansari, Ejaz Ahmad; Zaidi, Khuram Shabih; Rafiq, Muhammad Nadeem; **Shabbir, Noman** Expert systems with applications 2022 / art. 117689 <https://doi.org/10.1016/j.eswa.2022.117689> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On proving the concept of an ontology aided software refactoring tool**

**Pöld, Janari; Robal, Tarmo; Kalja, Ahto** Databases and information systems VII : selected papers from the tenth International Baltic Conference, DB&IS 2012 2013 / p. 84-94 <https://doi.org/10.3233/978-1-61499-161-8-84> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **On stable cones of polynomials via reduced Routh parameters**

**Nurges, Ülo; Belikov, Juri; Artemtšuk, Igor** Kybernetika 2016 / p. 461-477 <https://doi.org/10.14736/kyb-2016-3-0461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ontology merging using the weak unification of concepts**

**Kuusik, Norman; Vain, Jüri** Big Data and Cognitive Computing 2024 / art. 98 <https://doi.org/10.3390/bdcc8090098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ontology-based customization of a scheduling system for discrete manufacturing**

**Sanko, Jelena; Haav, Hele-Mai; Kotkas, Vahur** Databases and information systems IX : selected papers from the twelfth International Baltic Conference, DB&IS 2016 2016 / p. 57-70 : ill <https://doi.org/10.3233/978-1-61499-714-6-57> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Optical monitoring of dialysis dose**

**Uhlen, Nils Fredrik Arne; Fridolin, Ivo** Modeling and control of dialysis systems. Vol. 2, Biofeedback systems and soft computing techniques of dialysis 2013 / p. 867-928 : ill [https://doi.org/10.1007/978-3-642-27558-6\\_3](https://doi.org/10.1007/978-3-642-27558-6_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Optimization of pump efficiency in a water distribution system**

**Koor, Margus; Vassiljev, Anatoli; Koppel, Tiit** Proceedings of the Ninth International Conference on Engineering Computational Technology 2014 / Paper 91, p. 1-10 : ill <https://waponline.com/ws/article/23/3/1094/93912/Optimization-of-the-operation-of-water> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Orthophoto classification for UGV path planning using heterogeneous computing**

**Hudjakov, Robert; Tamre, Mart** International journal of advanced robotic systems 2013 / [7] p. : ill <https://doi.org/10.5772/56545>  
[https://www.researchgate.net/publication/269785081\\_Orthophoto\\_Classification\\_for\\_UGV\\_Path\\_Planning\\_using\\_Heterogeneous\\_Computing](https://www.researchgate.net/publication/269785081_Orthophoto_Classification_for_UGV_Path_Planning_using_Heterogeneous_Computing) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Overcoming system complexity using models and knowledge structures. Editorial introduction to issue 36 of CSIMQ**

Nazaruka, Erika; **Robal, Tarmo** Complex systems informatics and modeling quarterly (CSIMQ) 2023 / p. H1 <https://doi.org/10.7250/csimq.2023-36.00> [Journal metrics at Scopus](#) [Article at Scopus](#)

---

### **Parkinson's disease diagnostics based on the analysis of digital sentence writing test**

**Netšunajev, Aleksei; Nömm, Sven;** Toomela, Aaro; Medijainen, Kadri; Taba, Pille Vietnam journal of computer science 2021 / p. 493-512 <https://doi.org/10.1142/S2196888821500238> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Perception of audiovisual speech produced by human and virtual speaker**

Aller, Sven; **Meister, Einar** Human Language Technologies - the Baltic Perspective : proceedings of the Seventh International Conference, Baltic HLT 2016 2016 / p. 31-38 : ill <https://doi.org/10.3233/978-1-61499-701-6-31> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Planning for the urban future : two-level spatial analysis to discover 15-Minute City potential in urban area and expansion in Tallinn, Estonia**

**Mozaffaree Pour, Najmeh; Partanen, Jenni Vilhelmiina** Journal of computational social science 2024 / p. 777-807 <https://doi.org/10.1007/s42001-024-00258-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A predictive compact model of effective travel time considering the implementation of first-mile autonomous mini-buses in smart suburbs**

**Udal, Andres; Sell, Raivo; Kalda, Krister; Antov, Dago** Smart Cities 2024 / p. 3914-3935 <https://doi.org/10.3390/smartcities7060151> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A privacy-protecting data-exchange wallet with ownership- and monetization capabilities**

**Norta, Alexander;** Hawthorne, Daniel; Engel, Serafin L. 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4121-4128 : ill <https://doi.org/10.1109/IJCNN.2018.8489551> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **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](#)

### **A public dataset for synchronous motor electrical faults diagnosis with CNN and LSTM reference classifiers**

Sun, Zhenglong; Machlev, Ram; Wang, Qianchao; **Belikov, Juri;** Levron, Yoash; Baimel, Dmitry Energy and AI 2023 / art. 100274, 17 p <https://doi.org/10.1016/j.egyai.2023.100274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Realization of nonlinear input-output equations in controller canonical form**

**Kaldmäe, Arvo; Kotta, Ülle** Kybernetika 2018 / p. 736-747 <https://doi.org/10.14736/kyb-2018-4-0736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Real-time multi-modal active vision for object detection on UAVs equipped with limited field of view LiDAR and camera**

Shi, Chuanbeibei; Lai, Ganghua; Yu, Yushu; **Bellone, Mauro;** Lippiello, Vincezo IEEE Robotics and Automation Letters 2023 / p. 6571 - 6578 <https://doi.org/10.1109/LRA.2023.3309575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Refactoring - key to success for constantly developed projects**

**Pöld, Janari; Kalja, Ahto; Robal, Tarmo** Information modelling and knowledge bases XXVIII 2017 / p. 13-22 <https://doi.org/10.3233/978-1-61499-720-7-13> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Revisiting the LQR problem of singular systems**

**Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard** IEEE/CAA Journal of Automatica Sinica 2024 / p. 2236-2252 : ill <https://doi.org/10.1109/JAS.2024.124665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Robust stability analysis of Smith predictor based interval fractional-order control systems: a case study in level control process**

**Ghorbani, Majid;** Tavakoli-Kakhki, Mahsan; **Tepljakov, Aleksei; Petlenkov, Eduard** IEEE/CAA Journal of Automatica Sinica 2023 / p. 762-780 <https://doi.org/10.1109/JAS.2022.105986> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Robust training of vector quantized bottleneck models**

Lancucki, Adrian; Chorowski, Jan; Sanchez, Guillaume; Marxer, Ricard; Chen, Nanxin; Dolfing, Hans J.G.A.; Khurana, Sameer; **Alumäe, Tanel;** Laurent, Antoine 2020 International Joint Conference on Neural Networks (IJCNN), 19-24 July 2020, Glasgow, UK : proceedings 2020 / art. 163566 : 7 p <https://doi.org/10.1109/IJCNN48605.2020.9207145> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **RoCo-NAS : robust and compact neural architecture search**

Geraeinejad, Vahid; Sinaei, Sima; Modarressi, Mehdi; **Daneshtalab, Masoud** 2021 International Joint Conference on Neural

Networks (IJCNN) : proceedings 2021 / 8 | <https://doi.org/10.1109/IJCNN52387.2021.9534460> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Self-aware cyber-physical systems**

Bellman, K.; Landauer, C.; Dutt, N.; **Tammemäe, Kalle** ACM transactions on cyber-physical systems 2020 / p. 1–26  
<https://doi.org/10.1145/3375716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-aware smart contracts with legal relevance**

**Norta, Alexander** 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4113–4120 : ill  
<https://doi.org/10.1109/IJCNN.2018.8489235> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A semantic method of automatic composition of E-government services**

**Maigre, Riina; Grigorenko, Pavel; Haav, Hele-Mai; Kalja, Ahto** Databases and information systems VII : selected papers from the Tenth International Baltic Conference, DB&IS 2012 2013 / p. 204 - 217 <https://doi.org/10.3233/978-1-61499-161-8-204> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A semantic model for product configuration in timber industry**

**Haav, Hele-Mai; Maigre, Riina** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 143–158 <https://doi.org/10.3233/978-1-61499-941-6-143> [https://www.estor.ee/record=b5203991\\*est](https://www.estor.ee/record=b5203991*est) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **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](#)

### **Serverless, FaaS and why organizations need them**

**Astrova, Irina;** Koschel, Arne; Schaaf, Marc; Klassen, Samuel; Jdiya, Kerim Intelligent decision technologies 2021 / p. 825–838  
<https://doi.org/10.3233/IDT-210194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Shape control of an anthropomorphic tailoring robot mannequin**

Abels, Artur; **Kruusmaa, Maarja** International journal of humanoid robotics 2013 / [16] p <https://doi.org/10.1142/S0219843613500023>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Soft fluidic actuator for locomotion in multi-phase environments**

**Gkliva, Roza; Kruusmaa, Maarja** IEEE robotics and automation letters 2022 / p. 10462–10469  
<https://doi.org/10.1109/LRA.2022.3192204> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Solving big data : distributing computation among smart devices**

**Preden, Jürjo-Sören; Pahtma, Raido; Tomson, Timo; Mõtus, Leo** Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 245–258 : ill <https://doi.org/10.3233/978-1-61499-458-9-245>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Special issue on concept lattices and their applications (CLA 2020)**

Valverde-Albacete, Francisco José; Trnecka, Martin; **Ben Yahia, Sadok** International journal of approximate reasoning 2024 / art. 109079, 3 p. <https://doi.org/10.1016/j.ijar.2023.109079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Speech-based identification of children's gender and age with neural networks**

**Piel, Leo Kristopher; Alumäe, Tanel** Human Language Technologies - the Baltic Perspective : Proceedings of the Eighth International Conference, Baltic HLT 2018 2018 / p. 104–111 <https://doi.org/10.3233/978-1-61499-912-6-104> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **String diagram rewrite theory I : rewriting with Frobenius structure**

Bonchi, Filippo; Gadducci, Fabio; Kissinger, Aleks; **Sobocinski, Pawel Maria;** Zanasi, Fabio Journal of the ACM 2022 / art. 14  
<https://doi.org/10.1145/3502719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A study on user click behaviour for WIS user interface improvements**

**Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto** Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 173–186 : ill <https://doi.org/10.3233/978-1-61499-458-9-173> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A survey on AI and decision support systems in psychiatry – Uncovering a dilemma**

**Bertl, Markus; Ross, Peeter; Draheim, Dirk** Expert Systems with Applications 2022 / art. 117464, 14 p. : ill  
<https://doi.org/10.1016/j.eswa.2022.117464> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A systematic assessment of numerical association rule mining methods**

**Kaushik, Minakshi; Sharma, Rahul; Arakkal Peious, Sijo; Shahin, Mahtab; Ben Yahia, Sadok; Draheim, Dirk** SN Computer Science 2021 / art. 348 <https://doi.org/10.1007/s42979-021-00725-2> [Journal metrics at Scopus](#) [Article at Scopus](#)

**ZED-TTE: Zone embedding and deep neural network based travel time estimation approach**

Ounoughi, Chahinez; Yeferny, Taoufik; **Ben Yahia, Sadok** 2021 International Joint Conference on Neural Networks (IJCNN) : proceedings 2021 / 10 p <https://doi.org/10.1109/IJCNN52387.2021.9533456> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Technology push in AI-enabled services : how to master technology integration in case of Bürokratt**

**Dreyling III, Richard Michael; Tammet, Tanel; Pappel, Ingrid** SN computer science 2024 / art. 738 <https://doi.org/10.1007/s42979-024-03064-0> [Journal metrics at Scopus](#) [Article at Scopus](#)

**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](#)

**A theory of secure and efficient implementation of electronic money**

**Buldas, Ahto; Draheim, Dirk; Saarepera, Märt** SN Computer Science 2023 / art. 861, 25 p. : ill <https://doi.org/10.1007/s42979-023-02232-y> [Journal metrics at Scopus](#) [Article at Scopus](#)

**A Top-K formal concepts-based algorithm for mining positive and negative correlation biclusters of DNA microarray data**

Houari, Amina; **Ben Yahia, Sadok** International journal of machine learning and cybernetics 2023 / p. 941–962 : ill <https://doi.org/10.1007/s13042-023-01949-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Towards a machine learning-based framework for DDOS attack detection in software-defined IoT (SD-IoT) networks**

Bhayo, Jalal; Shah, Syed Attique; Hameed, Sufian; Ahmed, Awais; Nasir, Jamal; **Draheim, Dirk** Engineering Applications of Artificial Intelligence 2023 / art. 106432 <https://doi.org/10.1016/j.engappai.2023.106432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Trajectory generation for autonomous mobile robots**

**Vu, Trieu Minh** Computational intelligence for decision support in cyber-physical systems 2014 / p. 195-214 : ill [https://doi.org/10.1007/978-981-4585-36-1\\_6](https://doi.org/10.1007/978-981-4585-36-1_6) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

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**Kaparin, Vadim; Kotta, Ülle** Kybernetika 2015 / p. 36-58 <https://doi.org/10.14736/kyb-2015-1-0036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transition delay fault simulation with parallel critical path back-tracing and 7-valued algebra**

**Kõusaar, Jaak; Ubar, Raimund-Johannes; Devadze, Sergei; Raik, Jaan** Microprocessors and microsystems 2015 / p. 1130-1138 : ill <https://doi.org/10.1016/j.micpro.2015.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Lovato, Pietro; Bicego, Manuele; **Kesa, Maria**; Jojic, Nebojsa; Murino, Vittorio; Perina, Alessandro Artificial Intelligence in Medicine 2016 / p. 1-11 <https://doi.org/10.1016/j.artmed.2016.05.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Simm, Jaak**; Magrans De Abril, Idefons; Sugiyama, Masashi IEICE transactions on information and systems 2014 / p. 1677-1681 <https://doi.org/10.1587/transinf.E97.D.1677> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Váňová, Veronika** What Social Robots Can and Should Do 2016 / p. 357-359 <https://doi.org/10.3233/978-1-61499-708-5-357> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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**Meurer, Christian; Fuentes-Perez, Juan Francisco**; Schwarzwald, Kordula; Ludvigsen, Martin; Sorensen, Asgeir Johan; **Kruusmaa, Maarja** IEEE robotics and automation letters 2020 / p. 3444–3451 <https://doi.org/10.1109/LRA.2020.2976318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Lai, Xinhui; Balakrishnan, Aneesh**; Lange, Thomas; **Jenihhin, Maksim**; **Ghasempouri, Tara**; **Raik, Jaan**; Alexandrescu, Dan Microprocessors and microsystems 2019 / art. 102867, 13 p. : ill <https://doi.org/10.1016/j.micpro.2019.102867> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Muhammad, Naveed; Toming, Gert;** Tuhtan, Jeffrey A.; Musall, Mark; **Kruusmaa, Maarja** Autonomous robots 2017 / p. 417-436 : ill <https://doi.org/10.1007/s10514-016-9558-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Vassiljev, Anatoli; Koppel, Tiit** Proceedings of the Fourteenth International Conference on Civil, Structural and Environmental Engineering Computing 2013 / p. 1-9 : ill [Paper 233] <https://www.ctresources.info/ccp/paper.html?id=7566> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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Ghosh, Debjani; Pandey, Mayank; Gautam, Chakrapani; Vidyarthi, Ankit; **Sharma, Rahul; Draheim, Dirk** Expert Systems with Applications 2023 / art. 119857, 24 p.: ill <https://doi.org/10.1016/j.eswa.2023.119857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Pietarinen, Ahti-Veikko** What Social Robots Can and Should Do : proceedings of Robophilosophy 2016 / TRANSOR 2016 2016 / p. 280-290 <https://doi.org/10.3233/978-1-61499-708-5-280> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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**Kossas, Tanel; Remmas, Mohamed Walid; Gkliva, Roza; Ristolainen, Asko; Kruusmaa, Maarja** 2024 IEEE International Conference on Robotics and Automation (ICRA) 2024 / p. 13164-13170 <https://doi.org/10.1109/ICRA57147.2024.10610762> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)