

A two-stage approach to 2D DOA estimation for a compact circular microphone array

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-Sören 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [proceedings] 2015 / [6] p. : ill

A two-stage approach to 2D DOA estimation for a compact circular microphone array

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-Sören 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [abstracts] 2015 / p. 74-75

Adapting the auto to a new tune

Helander, Johannes; Preden, Jürgo-Sören 1st Workshop on Models and Analysis for Automotive Systems : RTSS 2006 : The 27th IEEE Real-Time Systems Symposium : 5-8 December 2006, Rio de Janeiro, Brazil 2006 / p. 21-24 <https://www.microsoft.com/en-us/research/publication/adapting-the-auto-to-a-new-tune/>

Advances in moving speaker acoustic localization for operation in distributed systems

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-Sören Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 9-12 : ill

An application of a low-cost microwave radar to traffic monitoring [Online resource]

Riid, Andri; Kaugerand, Jaanus; Ehala, Johannes; Jaanus, Martin; Preden, Jürgo-Sören BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600962>

Arupuru rakendamise võimalustest

Preden, Jürgo-Sören; Somelar, Raili Keskkonnatehnika 2010 / 7, lk. 26-28 : ill https://artiklid.elnet.ee/record=b2179782*est

Arupuruarendaja Jürgo Preden: tajumatud arvutid meie ümber muudavad maailma paremaks

Preden, Jürgo-Sören Mente et Manu 2021 / lk. 14-19 : fot [Mente et Manu 1/2021 https://www.ester.ee/record=b1242496*est](https://www.ester.ee/record=b1242496*est)

Auto-adaption driven by observed context histories

Preden, Jürgo-Sören; Helander, Johannes Ubicomp 2006, W2 : ECHISE 2006 : Exploiting Context Histories in Smart Environments : CA, USA, Sept. 2006 2006 / [5] p. : ill <https://www.semanticscholar.org/paper/Auto-adaptation-Driven-by-Observed-Context-Preden-Helander/f6d4b9c741cbc9066190d0f92184b46fc3b836ae>

Automatic code generation for embedded systems from high-level models

Riid, Andri; Preden, Jürgo-Sören; Pahtma, Raido; Serg, Risto; Lints, Taivo Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 7, p. 33-36 <https://eejournal.ktu.lt/index.php/elt/article/view/10035>

Collective acoustic localization in a network of dual channel low power devices

Astapov, Sergei; Ehala, Johannes; Preden, Jürgo-Sören Proceedings of the 21st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2014 : Lublin, Poland, June 19-21, 2014 2014 / p. 430-435 : ill

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

Riid, Andri; Preden, Jürgo-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](#)

Communication area based positioning

Preden, Jürgo-Sören 2006 IEEE International Conference on Mobile Adhoc and Sensor Systems (MASS) 2006 / p. 336-347 <https://ieeexplore.ieee.org/document/4053919>

Composite predictive speaker acoustic localization in distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-Sören Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 15-18 : ill

Computing in context

Preden, Jürgo-Sören Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 117-120 : ill https://www.ester.ee/record=b2293052*est

Context awareness in distributed computing systems

Preden, Jürgo-Sören; Helander, Johannes Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös nominatae : sectio computatorica 2009 / p. 57-73

Data exchange for shared situation awareness

Preden, Jürgo-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>

Data to decision : pushing situational information needs to the edge of the network

Preden, Jürjo-Sören; Kaugerand, Jaanus; Suurjaak, Erki; Astapov, Sergei; Pahtma, Raido; Mõtus, Leo 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. 158-164 : ill <http://dx.doi.org/10.1109/COGSIMA.2015.7108192>

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](#)

Detection, identification and tracking of mobile objects with distributed system of systems

Riid, Andri; Preden, Jürjo-Sören; Astapov, Sergei Proceedings of the 9th International Conference on System of Systems Engineering (SoSE 2014) : 9-13 June 2014, Stamford Grand, Glenelg, Australia 2014 / p. 224-229 : ill

Diagnostics of machining and assembly systems by networked nodes

Preden, Jürjo-Sören; Sarkans, Martinš; Otto, Tauno Machine engineering 2007 / 1/2, p. 68-77

Digiauditi platvorm jõudis teadlastelt turule

Kuusk, Kalle; Thalfeldt, Martin; Preden, Jürjo-Sören; Peerna, Kristo Mente et Manu 2024 / lk. 46-47 : fot https://www.ester.ee/record=b1242496*est

Distributed fusion and automated sensor tasking in ISR systems

Preden, Jürjo-Sören; Pahtma, Raido; Astapov, Sergei; Ehala, Johannes; Riid, Andri; Mõtus, Leo Ground/air multisensor interoperability, integration, and networking for persistent ISR V 2014 / p. 90790M-1 - 90790M-10 : ill <https://doi.org/10.1117/12.2054731> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Distributed signal processing for situation assessment in cyber-physical systems = Hajutatud signaalitöötlus olukorra hindamiseks küberfüüsilistes süsteemides

Astapov, Sergei 2016 <http://digi.lib.ttu.ee/i/76212> https://www.ester.ee/record=b4603470*est

Eestis töötati välja uudne energiamärgise määramise lahendus

Ehitaja 2023 / lk. 34 : fot https://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2904595*est

Embedded electronics influence on the strength of carbon fiber laminate

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Lend, Henri; Allikas, Georg Advances in applied materials and electronics engineering III 2014 / p. 239-243 <https://doi.org/10.4028/www.scientific.net/AMR.905.239> [Article at Scopus](#)

Enhancing situation-awareness, cognition and reasoning of ad-hoc network agents = Spontaanvõrgu agentide situatsiooniteadlikkuse, taju ja arutlusvõime täiendamine

Preden, Jürjo-Sören 2010 https://www.ester.ee/record=b2607110*est

Exchanging situational information in embedded networks

Preden, Jürjo-Sören; Pahtma, Raido Proceedings of International Conference on Adaptive Science & Technology : ICAST 2009 : Accra, Ghana, 14-16 December 2009 2009 / ? p <https://ieeexplore.ieee.org/document/5409713>

Generating situation awareness in cyber-physical systems : creation and exchange of situational information

Preden, Jürjo-Sören CODES '14 : proceedings of the 2014 International Conference on Hardware/Software Codesign and System Synthesis 2014 / [3] p. : ill

Gunshot acoustic component localization with distributed circular microphone arrays

Astapov, Sergei; Ehala, Johannes; Berdnikova, Julia; Preden, Jürjo-Sören DSP 2015 : 2015 IEEE International Conference on Digital Signal Processing (DSP) : 21-24 July 2015, Singapore 2015 / p. 1186-1190 : ill

Gunshot acoustic event identification and shooter localization in a WSN of asynchronous multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Kaugerand, Jaanus; Preden, Jürjo-Sören Multidimensional systems and signal processing 2018 / p. 563-595 : ill <https://doi.org/10.1007/s11045-017-0479-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Indoor positioning system based on COTS WSN devices

Preden, Jürjo-Sören; Pahtma, Raido; Gordon, Boris; Mõtus, Leo SET-168 : Symposium on Navigation Sensors and Systems in GNSS Denied Environments 2012 / [11 p.] : ill

Industrial process monitoring by multi-channel acoustic signal analysis

Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören; Aruväli, Tanel 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. 209-212 : ill

In-process determining of the working mode in CNC turning

Aruväli, Tanel; Serg, Risto; Preden, Jürjo-Sören; Otto, Tauno Estonian journal of engineering 2011 / 1, p. 4-16 : ill
https://www.kirj.ee/public/Engineering/2011/issue_1/eng-2011-1-4-16.pdf

Interpretability improvement of fuzzy rule-based classifiers via rule compression

Riid, Andri; Preden, Jürjo-Sören International Joint Conference IFSA-EUSFLAT : June 30th - July 3rd, Gijon, Asturias (Spain) 2015 / p. 162-169 : ill <http://dx.doi.org/10.2991/ifsa-eusflat-15.2015.26>

Location awareness of information agents

Meriste, Merik; Helekivi, Jüri; Kelder, Tõnis; Marandi, Andres; Mötus, 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

Mediated interactions for collection and exchange of situational information in smart environments = Vahendatud interaktsioonid olukorrateadlikkuse informatsiooni kogumiseks ja vahetamiseks arukates keskkondades

Kaugerand, Jaanus 2020 <https://digikogu.taltech.ee/et/Item/67dab11b-894d-4903-b4ff-f4652e58bf81> TTÜ teadlane pani nutiseadmed omavahel tõhusamalt rääkima (novaator.err.ee, 16.10.2020) <https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf>

A method of initial search region reduction for acoustic localization in distributed systems

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören Proceedings of the 20th International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2013, Gdynia, Poland, June 20-22, 2013 2013 / p. 451-456 : ill

A method of real-time mobile vehicle identification by means of acoustic noise analysis implemented on an embedded device

Astapov, Sergei; Preden, Jürjo-Sören; Suurjaak, Erki BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 283-286 : ill

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

Military vehicle acoustic pattern identification by distributed ground sensors

Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören 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. 167-170 : ill http://www.ester.ee/record=b2150914*est

Modern monitoring opportunities in shopfloor

Aruväli, Tanel; Otto, Tauno; Preden, Jürjo-Sören Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20-23rd October 2010, Zadar, Croatia 2010 / p. 989 - 990 : ill https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2010/24167_Symp_1_head.pdf

Monitoring of manufacturing machinery using smart dust applications

Aruväli, Tanel; Serg, Risto; Otto, Tauno; Preden, Jürjo-Sören 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 209-213 : ill

Multi-modal sensor data fusion in city environment monitoring projects SMENETE and IMO

Kaugerand, Jaanus; Ehala, Johannes; Riid, Andri; Preden, Jürjo-Sören; Udai, Andres COST Action CA16101 MULTI-modal : Imaging of FOREnsic SciEnce Evidence tools for Forensic Science : Grant Period 2 Conference, 5-8 November 2018, Dubrovnik, Croatia. Forensic Imaging Techniques - an exploration of their potential as standalone tools and within a multimodal approach : book of abstracts 2018 / p. 36-37 : ill

Network enabled capabilities - grassroots perspectives

Mötus, 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

Mötus, 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

Object detection for military surveillance using distributed multimodal smart sensors

Astapov, Sergei; Preden, Jürjo-Sören; Ehala, Johannes; Riid, Andri 2014 19th International Conference on Digital Signal Processing 2014 / p. 366-371 : ill

On dynamic models for wind farms as systems of systems

Rannat, Kalev; Meriste, Merik; Mötus, 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-line data validation in distributed data fusion

Preden, Jürjo-Sören; Llinas, James; Rogova, Galina; Pahtma, Raido; Mötus, Leo Ground/air multisensor interoperability, integration, and networking for persistent ISR IV 2013 / p. 1-12 : ill <https://doi.org/10.1117/12.2016249> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On-line data validation in distributed data fusion

Preden, Jürjo-Sören Proceedings of the Workshop on Future Internet Architectures for Military Networks : Oslo, Norway, 29-30 January 2014 2014

Optimized acoustic localization with SRP-PHAT for monitoring in distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören International journal of electronics and telecommunications 2013 / p. 383-390 : ill <https://doi.org/10.2478/eletel-2013-0047> [Journal metrics at Scopus](#) [Article at Scopus](#)

Performing acoustic localization in a network of embedded smart sensors

Astapov, Sergei; Ehala, Johannes; Preden, Jürjo-Sören International journal of microelectronics and computer science 2015 / p. 86-95 : ill

Performing feature extraction and selection for pattern discovery in noisy acoustic data

Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 3-6 : ill

Predictive acoustic localization and speaker tracking for distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 833-838 : ill

Production machinery utilization monitoring based on acoustic and vibration signal analysis

Astapov, Sergei; Preden, Jürjo-Sören; Aruväli, Tanel; Gordon, Boris Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 268-273 : ill

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

Preden, Jürjo-Sören; Mötus, 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

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

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

Self-aware fog computing in private and secure spheres

Tammemäe, Kalle; Jantsch, Axel; Kuusik, Alar; Preden, Jürjo-Sören; Õunapuu, Enn Fog computing in the internet of things : intelligence at the edge 2018 / p. 71-99 : ill http://www.ester.ee/record=b4692402*est https://doi.org/10.1007/978-3-319-57639-8_5

Sharing confidential commercial information for ensuring availability of critical infrastructure : technology opportunities and perspectives

Preden, Jürjo-Sören Energy security forum 2013 / p. 23-27 : ill

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : Kuala Lumpur, Malaysia, 19-21 October 2015 : [proceedings] 2015 / p. 332-337 : ill <http://dx.doi.org/10.1109/ICSIPA.2015.7412214>

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören IEEE ICSIPA 2015 : 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : 19-21 October, 2015, Hotel Pullman Kuala Lumpur Bangsar : program book 2015 / p. 46

Simplified acoustic localization by linear arrays for wireless sensor networks

Astapov, Sergei; Preden, Jürjo-Sören; Berdnikova, Julia 2013 18th International Conference on Digital Signal Processing (DSP) : 1-3 July 2013, Nomikos Conference Centre, Santorini, Greece 2013 / [6] p. : ill

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

Situation aware computing in distributed computing systems

Preden, Jürjo-Sören; Helander, Johannes Proceedings of the 10th Symposium on Programming Languages and Software Tools : Budapest, 14-16 June, 2007 2007 / p. 280-292
https://www.researchgate.net/publication/255564246_Situation_aware_computing_in_distributed_computing_systems

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

Situation awareness of computing agents

Preden, Jürjo-Sören Thirteenth Estonian Winter School in Computer Science (EWSCS'08) : Park Hotel Palmse, Lahemaa, Estonia : March 2-7, 2008 2008 / [1] p. (Student talks and posters 2008 (abstracts))

Situation awareness of computing agents

Preden, Jürjo-Sören Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 11-13

Situation awareness via Internet of things and in-network data processing

Ehala, Johannes; Kaugerand, Jaanus; Pahtma, Raido; Astapov, Sergei; Riid, Andri; Tomson, Timo; Preden, Jürjo-Sören; Mõtus, Leo International journal of distributed sensor networks 2017 / p. 1-21 : ill <https://doi.org/10.1177/1550147716686578> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Situatsiooniteadlikkus küberfüüsilistes süsteemides

Preden, Jürjo-Sören A & A 2010 / 4, lk. 40-47 : ill https://artiklid.elnet.ee/record=b2286483*est

Smart dust

Preden, Jürjo-Sören Integrated systems and design : interstudy, May 9, 2008 2008 / p. 47-53 : ill

Smart dust applications in production environment

Aruväli, Tanel; Serg, Risto; Preden, Jürjo-Sören; Otto, Tauno Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 572-577 : ill

Smart dust based modular laboratory kit for monitoring workshop machinery

Sarkans, Martinš; Preden, Jürjo-Sören; Otto, Tauno; Reinson, Taavi 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 299-304 : ill

Smart dust motes in ubiquitous computing scenarios

Preden, Jürjo-Sören; Pahtma, Raido Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 6, p. 19-22 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/10067>

Solving big data : distributing computation among smart devices

Preden, Jürjo-Sören; Pahtma, Raido; Tomson, Timo; Mõtus, Leo Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 269-280 : ill

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](#)

A system of systems solution for perimeter control : combining unmanned aerial system with unattended ground sensor network

Kaugerand, Jaanus; Preden, Jürjo-Sören; Suurjaak, Erki; Astapov, Sergei; Mõtus, Leo; Pahtma, Raido 9th Annual IEEE

TalTechis valminud doktoritöö aitab asjade interneti seadmetel koostööd teha

Mente et Manu 2020 / lk. 33 <https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf>
<https://digikogu.taltech.ee/et/Item/67dab11b-894d-4903-b4ff-f4652e58bf81>

Tark elektrivõrk Smart grid

Preden, Jürjo-Sören Keskkonnatehnika 2011 / 8, lk. 28-29 https://keskkonnatehnika.ee/wp-content/uploads/2017/09/KKT_2011_08.pdf

Tark tolm

Preden, Jürjo-Sören Akadeemia 2006 / 7, lk. 1577-1586 https://artiklid.elnet.ee/record=b2009603*est

Tarkvaramahukate süsteemide integreerimise teooria ja tehnoloogia areng

Mõtus, Leo; Serg, Risto; Preden, Jürjo-Sören Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 40-45

The benefits of self-awareness and attention in fog and mist computing

Preden, Jürjo-Sören; Tammemäe, Kalle; Jantsch, Axel; Leier, Mairo; Riid, Andri; Calis, Emine Computer 2015 / p. 37-45 : ill
<https://doi.org/10.1109/MC.2015.207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of embedded electronics on the structural performance in carbon fiber laminates

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Pohlak, Meelis; Allikas, Georg; Pabut, Ott; Lend, Henri Proceedings of the International Conference on Mechanics of Nano, Micro and Macro Composite Structures : 18 to 20 June 2012 2012 / [2 p.]

Time-selective data fusion for in-network processing in ad hoc wireless sensor networks

Kaugerand, Jaanus; Ehala, Johannes; Mõtus, Leo; Preden, Jürjo-Sören International journal of distributed sensor networks 2018 / p. 1-17 : ill <https://doi.org/10.1177/1550147718811302> [Journal metrics at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tolmuga tööstust jälgimas : [TTÜ automaatikainstituudi ja masinaehituse instituudi koostöös loodud sensorvõrkude laborist]

Preden, Jürjo-Sören; Otto, Tauno Eesti Ekspress 2007 / 15. veebr., lk. 44-46

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>

Töötajate teaduskraade hinnatakse harva : [sisaldab ka TTÜ doktorantide Ildar Nisamedtinovi ja Jürjo Predeni arvamust]

Kilkson, Tiina; Nisamedtinov, Ildar; Preden, Jürjo-Sören Äripäev 2006 / 24. juuli, lk. 21

Utilization of received signal strength indication by embedded nodes

Pahtma, Raido; Preden, Jürjo-Sören; Agar, Romi; Pikk, Priit Elektronika ir elektrotehnika = Electronics and electrical engineering 2009 / 5, p. 39-42 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/10177>

Vehicle guidance systems in NEC context

Preden, Jürjo-Sören; Serg, Risto; Riid, Andri; Mõtus, Leo; Pahtma, Raido Proceedings : SCI-202 Symposium on Intelligent Uninhabited Vehicle Guidance Systems : München, 30 June - 2 July 2009 2009 / p. 4-1 - 4-13

Välisvalgustuse juhtimislahenduste tööpõhimõtetest

Võrk, Alar; Preden, Jürjo-Sören Elektriala 2013 / lk. 8-10 : ill

Väljakutsed küber-füüsiliste süsteemide loomisel

Preden, Jürjo-Sören Inseneeria 2011 / lk. 36-37 : ill https://artiklid.elnet.ee/record=b2369619*est
https://www.ester.ee/record=b1519314*est