

Automatic code generation for embedded systems from high-level models

Riid, Andri; Preden, Jürjo-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>

Data exchange for shared situation awareness

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

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>

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](#)

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>

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

Medical and context data acquisition system for patient home monitoring

Reilent, Enar; Lõõbas, Ivor; Pahtma, Raido; Kuusik, Alar BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 269-272

Middleware for wireless sensor networks

Pahtma, Raido Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 55-57

On-line data validation in distributed data fusion

Preden, Jürjo-Sören; Llinas, James; Rogova, Galina; Pahtma, Raido; Mõtus, 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](#)

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

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

Self-aware architecture to support partial control of emergent behavior

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

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](#)

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; Mötus, 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; Mötus, Leo; Pahtma, Raido 9th Annual IEEE International Systems Conference : April 13-16, 2015, Vancouver, British Columbia, Canada : proceedings 2015 / p. 317-323 : ill <https://doi.org/10.1109/SYSCON.2015.7116770>

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; Mötus, 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