

## **Agent-oriented modelling for simulation of complex environments**

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

## **Data exchange for shared situation awareness**

**Preden, Jürgo-Sören; Mötus, 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>

## **Effects of culture on public behavior patterns in crisis situations**

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

## **Enhancing the quality of contingency planning by simulation**

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

## **How can agents help in designing complex systems?**

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

## **ICMS User Handbook V2 [Electronic resource]**

Frings, Sandra; Engelbach, Wolf; Havlik Denis; **Taveter, Kuldar; Meriste, Merik; Rannat, Kalev** 2015 [http://www.crismaproject.eu/deliverables/CRISMA\\_D362\\_public.pdf](http://www.crismaproject.eu/deliverables/CRISMA_D362_public.pdf)

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

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

## **Indicators to compare simulated crisis management strategies**

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

## **Interactive maps for knowledge based guidance of UAV**

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

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

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

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

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

## **A method of conceptual modelling for realistic training scenarios**

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

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

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

## **Olukorrataedliku käitumise matkimine otsustustoe**

**Meriste, Merik; Rannat, Kalev; Mötus, Leo; Teichmann, Mare; Kelder, Tõnis; Helekivi, Jüri** Sõjateadlane 2020 / p. 177-206 [https://www.esther.ee/record=b4555087\\*est](https://www.esther.ee/record=b4555087*est)

## **On dynamic models for wind farms as systems of systems**

**Rannat, Kalev; Meriste, Merik; Mötus, Leo; Preden, Jürgo-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>

## **Proaktiivsed tehnoloogiad meil ja mujal**

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

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

Preden, Jürgo-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

## **A reference decision model of first responders' decision-making**

Rosquist, Tony; Havlik, Denis; Meriste, Merik International journal of emergency management 2017 / p. 193-209

<https://doi.org/10.1504/IJEM.2017.085003> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

2010 [https://www.estet.ee/record=b2487393\\*est](https://www.estet.ee/record=b2487393*est)

## **Research Laboratory for Proactive Technologies, Department of Computer Control, Tallinn University of Technology :**

### **annual report 2008**

2009 [http://www.estet.ee/record=b2508511\\*est](http://www.estet.ee/record=b2508511*est)

## **Self-aware architecture to support partial control of emergent behavior**

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

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

Taveter, Kuldar; Scholl, Martin; Schlobinski, Sascha; Ma, Lixin; Meriste, Merik 2014

[http://www.crismaproject.eu/deliverables/CRISMA\\_D443\\_public.pdf](http://www.crismaproject.eu/deliverables/CRISMA_D443_public.pdf)

## **Situation awareness for networked systems**

Preden, Jürgo-Sören; Mötus, 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

## **Süsteemide süsteemi olukorra hindamisest selle komponentide võimemudelite abil**

Mötus, Leo; Teichmann, Mare; Meriste, Merik; Rannat, Kalev; Priisalu, Jaan; Kaugerand, Jaanus Sõjateadlane 2020 / Lk.

238-260 [https://www.estet.ee/record=b4555087\\*est](https://www.estet.ee/record=b4555087*est)

## **Towards middleware based situation awareness**

Mötus, Leo; Meriste, Merik; Preden, Jürgo-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>

## **Training support for crisis managers with elements of serious gaming**

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

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

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

[http://www.crismaproject.eu/deliverables/CRISMA\\_D444\\_public.pdf](http://www.crismaproject.eu/deliverables/CRISMA_D444_public.pdf)

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

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

[http://www.crismaproject.eu/deliverables/CRISMA\\_D442\\_public.pdf](http://www.crismaproject.eu/deliverables/CRISMA_D442_public.pdf)

## **Virumaa ja Tartu kolledž õpetavad tarku süsteeme looma**

Roosileht, Mare; Meriste, Merik Mente et Manu 2018 / lk. 39 : fot <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/>  
[http://www.estet.ee/record=b1242496\\*est](https://www.estet.ee/record=b1242496*est) [https://artiklid.elnet.ee/record=b2836039\\*est](https://artiklid.elnet.ee/record=b2836039*est)