

## **Comparison of single-rate and two-rate neural control approaches for coaxial rotor/ducted-fan TUAV for situational awareness applications**

**Pedai, Andrus; Astrov, Igor; Udal, Andres** 2018 IEEE 16th International Symposium on Intelligent Systems and Informatics (SISY), 13-15 Sept. 2018 : proceedings 2018 / p. 63–68 : ill <http://dx.doi.org/10.1109/SISY.2018.8524720>

## **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>

## **Exploratory visual analytics : technical report of the NATO IST-141 Research Task Group**

Varga, Margaret; Arkin, Ethem; Bivall, Petter; Camossi, Elena; **Kullman, Kaur**; Krilavičius, Tomas; Mandravickaitė, Justina; Lavigne, Valerie; Jayaram, Shivas; Panga, Marius; Liggett, Kristen; Martsinkevičius, Virginijus; Ray, Cyril; Winkelholz, Carsten; Acharya, Nikhil 2023 [https://www.researchgate.net/publication/361220433\\_Exploratory\\_Visual\\_Analytics](https://www.researchgate.net/publication/361220433_Exploratory_Visual_Analytics)

## **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

## **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](#)

## **Mapping the information flows for the architecture of a nationwide situation awareness system : (Poster)**

**Bahsi, Hayretidin; Dieves, Veiko; Kangilaski, Taivo; Laud, Peeter; Mõtus, Leo; Murumets, Jaan; Ploom, Illimar; Priisalu, Jaan; Seeba, Mari; Täks, Ermo; Tammel, Kaide; Tamppuu, Piia; Taveter, Kuldar; Trumm, Avo; Truusa, Tiia-Triin; Vihalemm, Triin** Proceedings 2019 IEEE International Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA) : Las Vegas, NV, USA, 8-11 April 2019 2019 / p. 152–157 <https://doi.org/10.1109/COGSIMA.2019.8724167>

## **Neural predictive tracking control of catamaran model sailboat for situation awareness applications**

**Astrov, Igor; Udal, Andres** INES 2020 : IEEE 24th International Conference on Intelligent Engineering Systems, July 8-10, 2020, Reykjavik, Iceland : proceedings 2020 / p. 153-158 : ill <https://doi.org/10.1109/INES49302.2020.9147126>

## **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

## **Single-Rate versus Three-Rate Neural Assisted Control Approaches for Coaxial Rotor Ducted Fan TUAV for Situation Awareness Applications**

**Pedai, Andrus; Astrov, Igor; Udal, Andres; Sell, Raivo** 2019 IEEE International Systems Conference (SysCon 2019), Orlando, FL, USA, April 8-11, 2019 2019 / p. 457–463 : ill <https://doi.org/10.1109/SYSCON.2019.8836871>

## **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 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](#)

## **Situation awareness, mental models and understanding**

Teichmann, Mare; **Mõtus, Leo** Proceedings - 2021 IEEE International Conference on Cognitive and Computational Aspects of Situation Management, CogSIMA 2021 2021 / p. 86-93 <https://doi.org/10.1109/CogSIMA51574.2021.9475920> [Article at Scopus](#)

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

**Mõtus, Leo; Teichmann, Mare; Meriste, Merik; Rannat, Kalev; Priisalu, Jaan; Kaugerand, Jaanus** Sõjateadlane 2020 / Lk. 238-260 [https://www.ester.ee/record=b4555087\\*est](https://www.ester.ee/record=b4555087*est)

## **Systems-theoretic process analysis of maritime traffic safety management in the Gulf of Finland (Baltic Sea)**

Aps, Robert; **Fetissov, Mihhail**; Goerlandt, Floris; Kujala, Pentti; Piel, Are Procedia engineering 2017 / p. 2-12 : ill  
<https://doi.org/10.1016/j.proeng.2017.03.090> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

**Kaugerand, Jaanus; Ehala, Johannes; Mõtus, Leo**; Preden, Jürgo-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](#)