

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

Riid, Andri; Kaugerand, Jaanus; Ehala, Johannes; Jaanus, Martin; Preden, Jürjo-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>

COMSPECT : a compact model for green vegetation reflectance spectra in the 400–900 nm wavelength range

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2020 / p. 277-286 : ill <https://doi.org/10.3176/proc.2020.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Preden, Jürjo-Sören; Kaugerand, Jaanus; Suurjaak, Erki; Astapov, Sergei; Pahtma, Raido; Mötus, 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>

Documenting and analysing business-and operational risks

Kangilaski, Taivo; Kaugerand, Jaanus 2024 Tenth International Conference on eDemocracy & eGovernment (ICEDEG) 2024 <https://doi.org/10.1109/ICEDEG61611.2024.10702076> [Article at Scopus](#)

Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo SPIE digital library 2020 / art. 115240H-1–14 <https://doi.org/10.1117/12.2570820> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

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](#)

Hüperspektraalsensorika rakendamise militaarobjektide signatuuride tuvastamiseks ja varjamiseks

Jürise, Martin; Udal, Andres; Kaugerand, Jaanus Sõjateadlane = Estonian journal of military studies 2018 / lk. 150–170 : ill https://www.ksk.edu.ee/wp-content/uploads/2019/02/06_jyrise.pdf https://artiklid.elnet.ee/record=b2872674*est

Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems [Online resource]

Jürise, Martin; Udal, Andres; Kaugerand, Jaanus; Sell, Raivo 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.2018.8600957>

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](#)

Lightweight assimilation of open urban ambient air quality monitoring data and numerical simulations with unknown uncertainty

Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew Environmental modeling & assessment 2023 / p. 961–975 <https://doi.org/10.1007/s10666-023-09909-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lightweight open data assimilation of Pan-European urban air quality

Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew IEEE access 2023 / p. 84670–84688 : ill., map <https://doi.org/10.1109/ACCESS.2023.3302348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Militaarobjektide valvetehnoloogia areng

Udal, Andres; Kaugerand, Jaanus; Savimaa, Raul; Märten, Olev Sõjateadlane = Estonian journal of military studies 2023 / lk. 194-224 : ill [Militaarobjektide valvetehnoloogia areng](#) <https://www.kvak.ee/sojateadlane22/> https://www.ester.ee/record=b4555087*est

Modeling the trajectory tracking accuracy of an autonomous catamaran patrol vessel under different positional data

disturbance conditions

Udal, Andres; Kaugerand, Jaanus; Mölder, Heigo; Astrov, Igor; Bauk, Sanja MT '24 : 10th International Conference on Maritime Transport : Barcelona, Spain, 5-7 June, 2024 2024 / p. 1-15 : ill <https://doi.org/10.5821/mt.13165> <http://hdl.handle.net/2117/409463>

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

Kaugerand, Jaanus; Ehala, Johannes; Riid, Andri; Preden, Jürjo-Sören; **Udal, 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

Occupational health and safety risk management with help of ARIS software: Case Study

Kangilaski, Taivo; Kaugerand, Jaanus Safety Management and Human Factors : Proceedings of 15th International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences, Nice, France, 24-27 July 2024 2024 / p. 99-108 : ill <https://doi.org/10.54941/ahfe1005306>

Open environmental data assimilation under unknown uncertainty and multiple spatio-temporal scales [Electronic resource] = Keskkonna avaandmete assimilatsioon tundmatu määramatuse ning erinevate aeg-ruumi skaalade korral **Miasayedava, Lizaveta** 2024 https://www.ester.ee/record=b5673370*est <https://digikogu.taltech.ee/et/Item/9084dbfd-dadb-4f0c-b146-781bc6a5c487> <https://doi.org/10.23658/taltech.13/2024>

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](#)

Some issues in modelling comprehensive situation awareness

Mõtus, Leo; Teichmann, Mare; Kangilaski, Taivo; Priisalu, Jaan; Kaugerand, Jaanus 2019 IEEE International Conference on Systems, Man and Cybernetics (SMC) 2019 / p. 540-545 : ill <http://doi.org/10.1109/SMC.2019.8914360>

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

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

Kaugerand, Jaanus Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 57-60 : ill

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 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>

Tallinna katab üks võrk, mis salvestab kõike

Einama, Kaido Director. Inseneeria 2019 / lk. 50-55 : fot http://www.ester.ee/record=b2336521*est

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>

Terased tehiskõravad naastrehvide peilimiseks

Vill, Ants Director. Inseneeria 2021 / lk. 62-67 : fot https://www.ester.ee/record=b1519314*est <https://director.ee/2020/12/27/terased-tehiskorvad-naastrehvide-peilimiseks/>

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](#)