

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>

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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

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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

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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]

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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 olukorradeadlikkuse 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>

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

disturbance conditions

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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

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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

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

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Terased tehiskõrvad naastrehvide peilimiseks

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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](#)