Comparing domain expert and machine learning data enrichment of building registry

Torim, Ants; Iliste, Elisa; Pikas, Ergo; Liiv, Innar; Robal, Tarmo; Kalamees, Targo Buildings 2025 / art. 1798 https://doi.org/10.3390/buildings15111798

#### DatApollo: Orchestration of serverless functions for scalable data mining

**Shahin, Mahtab**; Bertl, Markus; Janatian, Nasim; Aznar-Poveda, Juan; Shah, Syed Attique; Fahringer, Thomas; **Arakkal Peious, Sijo**; **Draheim, Dirk** IEEE Access 2025 / p. 142813-142828 <a href="https://doi.org/10.1109/ACCESS.2025.3591712">https://doi.org/10.1109/ACCESS.2025.3591712</a>

Demand side management for commercial buildings: multiple heating systems based optimization in real-time
Köse, Ahmet; Sukhanov, Ivan; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard Proceedings of the 30th ICE IEEE/ITMC
Conference on Engineering, Technology, and Innovation: Digital Transformation on Engineering, Technology and Innovation, ICE 2024
2024 IEEE International Conference on Engineering, Technology, and Innovation (ICE/ITMC) 2024 / 8 p
https://doi.org/10.1109/ICE/ITMC61926.2024.10794302

## Improving teaching standards in computer science basics for non-IT first-year students

**Kormiltson, ALeksandr**; **Mironova, Olga** Futureproofing Engineering Education for Global Responsibility: Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024); vol. 2 2025 / p. 268-279 <a href="https://doi.org/10.1007/978-3-031-85649-5">https://doi.org/10.1007/978-3-031-85649-5</a> 27

## A methodological framework for redesigning business processes with large language models

**Koppel, Tarmo** Smart machines and systems at the service of mankind: Abstracts of the 12th annual entrepreneurship and innovation conference 2024 / p. 13 <a href="https://conference.euas.eu/2024/wp-content/uploads/2024/10/ConferenceProceedings2024-1.pdf">https://conference.euas.eu/2024/wp-content/uploads/2024/10/ConferenceProceedings2024-1.pdf</a> <a href="https://www.ester.ee/record=b5705417\*est">https://conference.euas.eu/2024/wp-content/uploads/2024/10/ConferenceProceedings2024-1.pdf</a> <a href="https://www.ester.ee/record=b5705417\*est">https://conference.euas.eu/2024/wp-content/uploads/2024/10/ConferenceProceedings2024-1.pdf</a> <a href="https://www.ester.ee/record=b5705417\*est">https://conference.euas.eu/2024/wp-content/uploads/2024/10/ConferenceProceedings2024-1.pdf</a> <a href="https://www.ester.ee/record=b5705417\*est">https://www.ester.ee/record=b5705417\*est</a>

#### Multirate Control of Autonomous Multirotor Drones: Modeling and Simulation

 $\textbf{Astrov, lgor}\ 2023\ \underline{\text{https://www.amazon.com/dp/6200646651/ref=sr\_1\_1?qid=1682616238\&refinements=p\_27\%3Algor+Astrov\&s=books\&sr=1-1\&text=lgor+Astrov$ 

## Ontology requirements specification for an EU DPP core ontology proposal

Maigre, Riina; Haav, Hele-Mai; Robal, Tarmo; Wolf, Marc-Andree; Danash, Fatima 2025 https://doi.org/10.5281/zenodo.14892666

#### Perspectives of electronic election systems

**Koppel, Tarmo; Tammet, Tanel** PROMISE – PROMoting Al's Safe usage for Elections 2025 <a href="https://link.springer.com/book/9783031898525#bibliographic-information">https://link.springer.com/book/9783031898525#bibliographic-information</a>

### Privacy-preserving server-supported decryption

Laud, Peeter; Pankova, Alisa; **Vakarjuk, Jelizaveta** 2025 IEEE 38th Computer Security Foundations Symposium (CSF) 2025 / p. 48-63 <a href="https://doi.org/10.1109/CSF64896.2025.00004">https://doi.org/10.1109/CSF64896.2025.00004</a> <a href="https://doi.org/10.1109/CSF64896.2025.00004">https://doi.org/10.1109/CSF64896.2025.00004</a> <a href="https://www.computer.org/csdl/proceedings-article/csf/2025/108100a004/26w6qxiaHO8">https://doi.org/10.1109/CSF64896.2025.00004</a> <a href="https://www.computer.org/csdl/proceedings-article/csf/2025/108100a004/26w6qxiaHO8">https://doi.org/10.1109/CSF64896.2025.00004</a> <a href="https://www.computer.org/csdl/proceedings-article/csf/2025/108100a004/26w6qxiaHO8">https://www.computer.org/csdl/proceedings-article/csf/2025/108100a004/26w6qxiaHO8</a>

Profiling and schedule based forecast of electricity usage to improve energy performance of administrative buildings Vassiljeva, Kristina; Matson, Margarita; Belikov, Juri; Petlenkov, Eduard Proceedings of the 30th ICE IEEE/ITMC Conference on Engineering, Technology, and Innovation: Digital Transformation on Engineering, Technology and Innovation, ICE 2024 2024 IEEE International Conference on Engineering, Technology, and Innovation (ICE/ITMC) 2024 / 8 p
<a href="https://doi.org/10.1109/ICE/ITMC61926.2024.10794299">https://doi.org/10.1109/ICE/ITMC61926.2024.10794299</a>

## A systematic literature review of cyber security monitoring in maritime

Vaarandi, Risto; Tsiopoulos, Leonidas; Visky, Gabor; Rehman, Muaan Ur; Bahsi, Hayretdin IEEE Access 2025 / p. 85307-85329 https://doi.org/10.1109/ACCESS.2025.3567385

# Technical Considerations for Open-Source Intrusion Detection System Integration in Marine Vehicle

Visky, Gabor; Khisteva, Dariana; Maennel, Olaf Manuel Maritime Cybersecurity 2025 / p. 143-160 <a href="https://doi.org/10.1007/978-3-031-87290-7">https://doi.org/10.1007/978-3-031-87290-7</a> 8

Towards smarter maritime security: Apriori algorithm optimization in serverless environments
Shahin, Mahtab; Rahimpour, Saeed; Ghasempouri, Tara; Bauk, Sanja; Fahringer, Tara; Draheim, Dirk Procedia computer science 2025 / p. 1 - 8 <a href="https://scholar.google.com/citations?">https://scholar.google.com/citations?</a>
view op=view citation&hl=en&user=9AGg5vkAAAAJ&cstart=20&pagesize=80&citation for view=9AGg5vkAAAAJ:-f6vdRqrvjwC

#### Virtual risk assistant – a rule-based risk assessment tool based on large language models

**Koppel, Tarmo**; **Tšernikova, Olga**; **Kalvet, Tarmo** XXXV ISPIM Innovation Conference : Local innovation ecosystems for global impact : proceedings 2024 / 11 p <a href="https://finna.fi/Record/fikka.5694762">https://finna.fi/Record/fikka.5694762</a> <a href="https://www.ispim-research.com/">https://www.ispim-research.com/</a>