

Adapting a traditional organizational culture to the needs of a global business

Nikčević, Gordana; **Bauk, Sanja** Journal of East European Management Studies 2025 / art. 39792, 13 p

<https://doi.org/10.31083/JEEMS39792> [Article at WOS](#)

Blockchain applications and cybersecurity threats : A review

Ntshangase, Lindani Handsome; **Bauk, Sanja** 2024 28th International Conference on Information Technology (IT) 2024 / 4 p

<https://doi.org/10.1109/IT61232.2024.10475777>

Blockchain implementation barriers in maritime: a case study based on ISM and MICMAC techniques

Bauk, Sanja; Ntshangase, Lindani Handsome Journal of maritime research 2023 / p. 72-80

<https://www.jmr.unican.es/index.php/jmr/article/view/736/766> [Journal metrics at Scopus](#) [Article at Scopus](#)

Blockchain in maritime : pros and cons

Ntshangase, Lindani Handsome; **Bauk, Sanja** XVI međunaroni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje :

ITeO : zbornik radova 2024 / p. 36-41 https://iteo.rs.ba/sites/default/files/ITeO_Zbornik%20radova%202024%20%281%29.pdf

Blockchain technology's effects on big data in maritime transportation

Paladin, Zdravko; **Bauk, Sanja**; Mujalovic, Rasim; Kapidani, Nexhat; Lukšić, Žarko 2024 28th International Conference on Information Technology (IT) 2024 / 7 p <https://doi.org/10.1109/IT61232.2024.10475774>

Cultural and tourism diplomacy endorsing global peace through online guided literary tours

Kregar Gliha, Mateja; **Bauk, Sanja**; Potocnik Topler, Jasna Studia Turistica 2024 / p. 10-22 https://www.studiaturistica.cz/wp-content/uploads/2024/12/studia_turistica_2024_2.pdf

Data mining and cybersecurity-driven solutions for CO2 emissions reduction of different maritime shipping : A multi-faceted analysis

Rahimpour, Saeed; Shahin, Mahtab; Gülmez, Yigit; **Bauk, Sanja** Proceedings of Tenth International Congress on Information and Communication Technology : ICICT 2025 2025 / p. 471-483 https://doi.org/10.1007/978-981-96-6935-6_39 [Scopus](#)

Enhancing maritime education and training through virtual collaborative learning environment

Masuku, Margaret Balungile; **Bauk, Sanja** XVI međunaroni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje : ITeO :

zbornik radova 2024 / p. 19-26 https://iteo.rs.ba/sites/default/files/ITeO_Zbornik%20radova%202024%20%281%29.pdf

A few observations on data science

Bauk, Sanja New Trends and Best Practices in Socioeconomic Research : the 6th International Science Conference SER 2023, Igalo (Herceg Novi), Montenegro, Dec. 12th-13th, 2023 : book of abstracts 2023 / p. 23-24 <https://www.csr-pub.eu/files/Book%20of%20abstract%20-%20SER%20-%202023.pdf>

Identifying cyber attack vulnerabilities in the main lubricating oil system of marine propulsion units

Gülmez, Yigit; Konur, Olgun; Erbas, Muhammed; **Bauk, Sanja** International Journal of Critical Infrastructure Protection 2025 / art. 100810 <https://doi.org/10.1016/j.ijcip.2025.100810> <https://www.sciencedirect.com/science/article/pii/S187454822500071X?via%3Dihub> [Article at Scopus](#)

Improving Security and Privacy with Raspberry Pi Devices

Džankić, Radoje; Bulatovic, Zvonko; **Bauk, Sanja** Maritime Cybersecurity 2025 / p. 217-233 https://doi.org/10.1007/978-3-031-87290-7_12

Kibersigurnost u pomorstvu - MariCybERA projekat

Bauk, Sanja XVI međunaroni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje : ITeO : zbornik radova 2024 / p. 8

https://iteo.rs.ba/sites/default/files/ITeO_Zbornik%20radova%202024%20%281%29.pdf

Leveraging Large Language Models for IoT Applications : A Maritime Image Dataset Perspective

Shahin, Mahtab; Rahimpour, Saeed; Ghasempouri, Tara; Kujalai, Pentti; **Bauk, Sanja** 10th International Conference On Smart And Sustainable Technologies 2025

Maritime Cybersecurity

2025 <https://doi.org/10.1007/978-3-031-87290-7>

Maritime transport and logistics digital solutions optimization using advanced data sharing platforms : ePICenter project's case

Paladin, Zdravko; Šorovic, Mira; **Bauk, Sanja**; Knoors, Frank; Stephens, Julian; Kapidani, Nexhat; Lukšić, Žarko; Mujalovic, Rasim 37th Bled eConference – Resilience Through Digital Innovation: Enabling the Twin Transition : June 9 – 12, 2024, Bled, Slovenia, Conference Proceedings 2024 / p. 403-420 <https://doi.org/10.18690/um.fov.4.2024.23>

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 / p. 1-15 : ill <https://doi.org/10.5821/mt.13165> <http://hdl.handle.net/2117/409463>

On underwater data centers : surveillance, monitoring, and environmental management in the Baltic Sea
Abner, Mark; Bauk, Sanja Journal of information technology and applications 2024 / p. 142-149 <https://doi.org/10.7251/JIT2402142A>

Ports of Tallinn and Koper Comparative Analysis Including Cybersecurity
Bauk, Sanja; Beskovnik, Bojan; Gülmez, Secil Maritime Cybersecurity 2025 / p. 55-82 https://doi.org/10.1007/978-3-031-87290-7_4

Satelliitnavigatsioonisüsteemide haavatavused ja alternatiivsed lahendused
Bauk, Sanja; Heering, Dan; Gülmez, Yigit Eesti laevanduse aastaraamat 2024 / lk. 85-88 : ill
https://www.ester.ee/record=b1208210*est

Simulating a cyber-attack on an autonomous sea surface vessel's rudder controller
Astrov, Igor; Bauk, Sanja 2024 13th Mediterranean Conference on Embedded Computing, MECO 2024 / 1 p.
<https://journals.scholarsportal.info/browse/26379511>

Simulating a cyber-attack on an autonomous sea surface vessel's rudder controller
Astrov, Igor; Bauk, Sanja 2024 13th Mediterranean Conference on Embedded Computing (MECO), 11-14 June 2024, Budva, Montenegro 2024 / 7 p. : ill <https://doi.org/10.1109/MECO62516.2024.10577872> [Article at Scopus](#) [Article at WOS](#)

Simulating a cyber-attack on the mass thruster controllers at low-speed motion
Astrov, Igor; Bauk, Sanja Promet - Traffic and Transportation 2024 / p. 1006 - 1021 <https://doi.org/10.7307/ptt.v36i6.797> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulating Cyber-Attacks on the Unmanned Sea-Surface Vessel's Rudder Controller
Astrov, Igor; Bauk, Sanja Maritime Cybersecurity 2025 / p. 83-102 https://doi.org/10.1007/978-3-031-87290-7_5

Smart cargo container tracking and IT security management : Experimental results
Bauk, Sanja; Dzankic, Radoje Journal of maritime research 2024 / p. 128-134
<https://www.jmr.unican.es/index.php/jmr/article/view/851/855> [Journal metrics at Scopus](#) [Article at Scopus](#)

Tehnoloogia ja küberturvalisuse tasakaal merenduses : esikohale eetika ja heaolu
Maripuu, Helena Meremees : Eesti merendusajakiri = Estonian maritime magazine 2023 / lk. 6-7 : fot
<https://issuu.com/ajakirimeremees/docs/meremees322> https://www.ester.ee/record=b4646644*est

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 https://scholar.google.com/citations?view_op=view_citation&hl=en&user=9AGg5vkAAAAJ&start=20&pagesize=80&citation_for_view=9AGg5vkAAAAJ:-f6ydRqryjwC

Tracking (hazardous) cargo at sea : an experiment
Džankic, Radoje; Bauk, Sanja XVI međunaroni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje : ITeO : zbornik radova 2024 / p. 27-35 https://iteo.rs.ba/sites/default/files/ITeO_Zbornik%20radova%202024%20%281%29.pdf

Uued inimesed ja positsioonid
Kiigema, Kadri; Sibinski, Maciej; Bauk, Sanja; Kujala, Pentti Jouko Sakari; Levo, Anu-Mai; Vaimann, Toomas Mente et Manu 2023 / lk. 44-47 : fot https://www.ester.ee/record=b1242496*est