

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](#)

Integrating Cyber Threat Intelligence into Threat Modeling for Autonomous Ships Using PASTA and MISP

Erbas, Muhammed; Vanharanta, Jani; Paavola, Jarkko; Tsiopoulos, Leonidas; Vaarandi, Risto 2025 IEEE International Conference on Cyber Security and Resilience (CSR) 2025 / p. 133-139 <https://ieeexplore.ieee.org/document/11130108> <http://doi.org/10.1109/CSR64739.2025.11130108>

PASTA threat modeling for cyber resilience and COLREG compliance in autonomous ship systems

Erbas, Muhammed; Visky, Gabor; Maennel, Olaf Manuel; Tsiopoulos, Leonidas; Vaarandi, Risto 2025 IEEE International Conference on Cyber Security and Resilience (CSR) 2025 / p. 358-365 <https://ieeexplore.ieee.org/document/11130142> <http://doi.org/10.1109/CSR64739.2025.11130142>

Systematic literature review of threat modeling and risk assessment in ship cybersecurity

Erbas, Muhammed; Khalil, Shaymaa Mamdouh; Tsiopoulos, Leonidas Ocean engineering 2024 / art. 118059 <https://doi.org/10.1016/j.oceaneng.2024.118059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)