

# Vortrag

## 2021

Banken (2021): Assessing Bioinspired Concepts for Space Debris Removal and evaluating their feasibility for simple demonstrator. Proc. 8th European Conference on Space Debris (virtual), Darmstadt, Germany, 20–23 April 2021, 2021.

Banken (2021): BIOINSPACED. MIU Maritime Innovation Updates, 2021.

Bergmann (2021): Automatisierung im Containerumschlag - Stand der Technik. MIU Maritime Innovation Updates, 2021.

Burmeister (2021): FernSAMS. DGON, 2021.

Burmeister (2021): FIP-S2@Novia - R&D Transparency by simulation. Water transport automation (MASS) – towards human-centric water traffic automation together and in a transparently, 2021.

Burmeister (2021): Highly maneuverable full-scale testing of a remotely controlled tug. Autonomous Ship Expo Virtual 'Live', 2021.

Burmeister (2021): Remote-Controlled Tug Operation via VR-AR Results of an In-Situ Model Test. 14th International Conference on Marine Navigation and Safety of Sea Transportation, 2021.

Burmeister (2021): RoboVaaS – Future Port Services by Scalable Robotic Vessels. ITS World Congress 2021 - TP 32 Maritime ITS Solutions, 2021.

Burmeister et al. (2021): Modelling the processes of taking over the watch from an autonomous navigation system. 14th International Conference on Marine Navigation and Safety of Sea Transportation, 2021.

Burmeister, Au, Delea, Schneider, Oeffner, Jahn (2021): A Web-oriented Architecture for Deploying Multiple Unmanned Vehicles as a Service. 14th International Conference on Marine Navigation and Safety of Sea Transportation, 2021.

Constapel (2021): Mehrwerte schaffen durch die Verknüpfung von AIS-Daten mit anderen maritimen Datenquellen. Maritime Innovation Update, 2021.

Delea (2021): (How) can robots clean up our mess? Maritime Innovation Update, 2021.

Delea (2021): Robotic Vessels as a Service: a Demonstration. MIU Maritime Innovation Updates, 2021.

Fiedler (2021): Autonomous Vehicles Impact on Ports Infrastructure Requirements. Maritime Innovation Update, 2021.

Fiedler (2021): Emissionen reduzieren in der maritimen Wirtschaft. MII 2021, 2021.

Fiedler (2021): Wasserstoffeinsparung und Energieeinsatz. Maritime Innovation Insights, 2021.

Grundmann (2021): Vorstellung der Schiffsführungssimulation am CML - Beispiel EMSN Connect. Maritime Innovation Update, 2021.

Hagemeister (2021): Einsatz von Computational Fluid Dynamics in maritimen Anwendungen. MIU Maritime Innovation Updates, 2021.

Hagemeister (2021): Latest developments in the H2020 AIRCOAT Project. LSSTF, 2021.

Hagemeister (2021): Maritime Drohnenprojekte am Fraunhofer CML. VDMA Web-Erfa: Drohnen im maritimen Umfeld, 2021.

Hagemeister (2021): Performance Prediction and Weather Routing of Wind Assisted Ships. MIU Maritime Innovation Updates, 2021.

Hagemeister (2021): Zur Sicherheit und Optimierung von Vertäukonzepten. Maritime Innovation Update, 2021.

Hensel (2021): Emissionsreduktion und Performancebewertung durch Routenoptimierung. Maritime Innovation Update, 2021.

Hohnrath (2021): News from EMSN Connect - The connected navigator. MIU Maritime Innovation Updates, 2021.

Jahn (2021): Autonome Schifffahrt - Perspektiven für die Logistik. Gastvortragsreihe Logistik IFF, 2021.

Jahn, Zimmerman (2021): Potentials for Improving the Port Fee Incentive Program "Environmental Ship Index". ITS World Congress, 2021.

Jahn et al. (2021): Managing disruptions in maritime transport chains in the context of synchromodality. IAME 2021, 2021.

Jahn et al. (2021): Simulation von kombinierter Stau- und Routenplanung in Multi-Terminal Häfen. 19. ASIM-Fachtagung Simulation in Produktion und Logistik 2021, 2021.

Jahn, Grasse, Grafelmann (2021): Comparative Analysis of Inter Terminal Transport System Layouts in the Port of Hamburg. 29th Conference of the International Association of Maritime Economists (IAME), Rotterdam, 2021.

Jahn, Weigell, Reifferscheidt (2021): Item-based Life-Cycle-Costing. EFRA Deep Wind 2021, 2021.

Klöver (2021): Computer Vision: Bilderkennung durch KI. Maritime Innovation Update, 2021.

Klöver (2021): Digitalisierung im Hafen. MII Maritime Innovation Insights, 2021.

Koch (2021): AI for the Unmanned Bridge: Use of Expert Systems in the Maritime Domain. MIU Maritime Innovation Updates, 2021.

Koch (2021): Autonomous Navigation in the B ZERO Project - Technical Integration. MIU Maritime Innovation Updates, 2021.

Koch (2021): Increased resilience of maritime positioning by means of terrestrial systems. MIU Maritime Innovation Updates, 2021.

Kretschmann (2021): KI in der maritimen Versicherungswirtschaft. HVB Mitgliederversammlung, 2021.

Kretschmann, Martius, Ighiri, Amézquita (2021): Supply and Demand of Empty Containers – Digital solutions can help improve availability. MIU Maritime Innovation Updates, 2021.

Küchle, Julius (2021): Stromspitzen im Hafen reduzieren. Maritime Innovation Insights, 2021.

Kumar (2021): AI - what is that actually good for? Maritime Innovation Update, 2021.

Nakilcioglu (2021): AI-based Prediction Model for more efficient empty container depots. MIU Maritime Innovation Updates, 2021.

Oeffner (2021): Biomimetic self-adhesives foils instead of paints A business case for a sustainable ship hull coating. Maritime Innovation Update, 2021.

Pache (2021): Technology test-beds for smart vessels (EN). MIU Maritime Innovation Updates, 2021.

Reimann (2021): Fleet Management Systems - Marktüberblick, Trends und Entwicklungen. MIU Maritime Innovation Updates, 2021.

Rizvanolli (2021): Decision Support for Crew Scheduling on Board. MIU Maritime Innovation Updates, 2021.

Rizvanolli (2021): Planned Maintenance and Crew Scheduling for Shipping Companies. MIU Maritime Innovation Updates, 2021.

Rizvanolli (2021): SCEDAS®—Optimized Crew and Maintenance Scheduling. Crew Connect Video, 2021.

Rizvanolli (2021): Task Based Workload Documentation on Board. MIU Maritime Innovation Updates, 2021.

Rubbert (2021): Quantum computing in maritime logistics. MIU Maritime Innovation Updates, 2021.

Schmitt, Willrodt (2021): EFFICIENCY GAINS DERIVED FROM AUTONOMOUS TRUCKS. ETC, 2021.

Schmitz (2021): Operations Research -Mathematisch optimierte Entscheidungen treffen. MIU Maritime Innovation Updates, 2021.

Schneider (2021): 3D-Druck und Rapid Prototyping - Demonstrator, Machbarkeit, Prototyp. MIU Maritime Innovation Updates, 2021.

Schneider (2021): Autonome Fahrzeuge über, auf und unter dem Wasser - UXV für Hafenanwendungen. Maritime Innovation Update, 2021.

Schneider (2021): Autonome Systeme - Hardware- & Service-Entwicklung vereint - SeaML und RoboVaaS. MII 2021, 2021.

Schneider (2021): Extending UAS Mission Endurance using an ASV-based battery hot swap system. IROS, 2021.

Schneider (2021): The RAPID Project in the Port of Hamburg. ITS World Congress, 2021.

Uge (2021): Performancebenchmarks weltweiter Schiffsverkehre - messbar. MIU Maritime Innovation Updates, 2021.

Uge, Hensel (2021): Monitoring CO2 Emissions from ships. LSSTF, 2021.

Weisheit (2021): Passive Luftschmierung von Schiffsrümpfen - Bestimmung der Wandschubspannung. MIU Maritime Innovation Updates, 2021.

Weisheit (2021): SCIPPER Messkampagnen. Maritime Research Forum MRF, 2021.

Weisheit (2021): SCIPPER -Sensorbox - Entwicklung und erste Ergebnisse. MIU Maritime Innovation Updates, 2021.

Willrodt (2021): Simulationsbasierte Analyse automatisierter Verkehrsflüsse in Häfen und Terminals. MIU Maritime Innovation Updates, 2021.

Willrodt (2021): Simulationsbasierte Analyse automatisierter Verkehrsflüsse in Häfen und Terminals. PTV Roadshow, 2021.

Zacharias (2021): Interaktive Dashboards Data Science für die Praxis. MIU Maritime Innovation Updates, 2021.

Zantopp (2021): SeaLion: A modular Autonomous Surface Vehicle for maritime assistances services. MIU Maritime Innovation Updates, 2021.

Zimmerman (2021): Der wirtschaftliche Transport von Wasserstoff im Nachlauf der maritimen Transportkette. MIU Maritime Innovation Updates, 2021.

Zimmerman (2021): Entwicklung von Logistikkennzahlen für den Transport von Wasserstoff. REGWA Symposium, 2021.

Zimmerman (2021): Potentials for Improving the ESI. ITS World Congress, 2021.

Zimmerman (2021): Smarte TOS mit KI: Lösungen und Neuentwicklungen im Überblick. Maritime Innovation Update, 2021.