

Maritime Research Forum (preliminary program - July 27)

SMM 2018, Hamburg, Germany, September 4-7, 2018

Tuesday, Sep 4

Autonomous Maritime Systems and Technologies

	Title, Authors	Poster	Lecture
1	Subsea Monitoring via Intelligent Swarms F. Boeck, S. Ritz, G. Holbach, TU Berlin	X	X
2	Large Modifiable Underwater Mothership F. Boeck, S. Ritz, G. Holbach, TU Berlin	X	
3	Predictive and automated ship guidance and motion control B. Storr, M. Lutz, Th. Meurer, Kiel University	X	X
4	Supporting Maritime Search and Rescue Missions with Unmanned Aerial Systems Ph. Gorczak, TU Dortmund; Th. Lübcke, German Maritime Search and Rescue Service, Bremen	X	X
5	Systems and Components for Autonomous Ships (title t.b.c.) SCAS network, Hamburg	X	X

Poster presentations: afternoon session

Lecture presentations: 13:00 – 14:30 and 15:00 – 16:30

Wednesday, Sep 5

Shipping / Maritime Logistics

	Title, Authors	Poster	Lecture
1	Motorways of the Sea J.-M. Laurens, P.-M. Guilcher, Ch. Jochum; ENSTA Bretagne, Brest	X	X
2	Decisions support by simulation-based systems in maritime logistics H. Schuett, Institute of Shipping Economics and Logistics, Hamburg	X	X
3	Predicting the utilization of an empty container depot O. Rendel, O. John, Fraunhofer Center for Maritime Logistics, Hamburg	X	
4	Efficient Ship Crew Scheduling complying with Resting Hours Regulations A. Rizvanolli, O. John, Fraunhofer Center for Maritime Logistics, Hamburg	X	X
5	European Maritime Simulation Network S. Shetty, Fraunhofer Center for Maritime Logistics, Hamburg	X	
6	e-Navigation based Cooperative Collision Avoidance at Sea Ch. Denker, OFFIS, A. Hahn, University of Oldenburg	X	X
7	Financing Green Shipping; addressing the challenges with pragmatism O. Schinas, Hamburg School of Business Administration	X	X
8	Privatization of Maritime Security D. Siebels, University of Greenwich	X	X

Poster presentations: all day

Lecture presentations: 10:30 – 12:00 and 14:30 – 16:00

Thursday, Sep 6

Analysis, Design, and Optimization of Maritime Systems

	Title, Authors	Poster	Lecture
1	Design-space Dimensionality Reduction Methods for Shape Optimization of Maritime Applications M. Diez, A. Serani, D. D'Agostina, E. Campana, National Research Council Italy, Rome	x	x
2	The HERCULES Program on marine engine R&D (2004-2018) N. Kyratos, National Technical University of Athens	x	x
3	Prediction of required power for safe maneuvering in waves A. Cura-Hochbaum, TU Berlin	x	x
4	Electric ship technologies in complex ships: technological advancements and impact in ship design G. Sulligoi, A. Vicenzutti, University of Trieste	x	x
5	Experimental and Numerical Investigation of Sloshing J. Neugebauer, B. el Moctar, University of Duisburg-Essen	x	x
6	Cavitation-Induced Erosion F. Reuter, B. el Moctar, University of Duisburg-Essen	x	
7	Wave-Induced Motions, Vibrations, and Loads on Ship and Offshore Structures J. Ley, B. el Moctar, University of Duisburg-Essen	x	
8	Realization and Demonstration of Advanced Material Solutions for Sustainable and Efficient Ships F. Roland, M. Krause, Center of Maritime Technologies, Hamburg; C. Cau, CETENA, Genoa	x	x

Poster presentations: all day

Lecture presentations: 10:30 – 12:00 and 14:30 – 16:00

Friday, Sep 7

University/Institute Profiles

	Title, Authors	Poster	Lecture
1	Studying blue Sciences at Hochschule Bremen G. Schellenberger, Hochschule Bremen	x	x
2	Research at UAS Strength Lab B. Bohlmann, University of Applied Sciences Kiel	x	x
3	Raising productivity in the ship life cycle H. Loedding, A. Friedewald, Hamburg University of Technology		x
4	Green Shipping at University Emden/Leer R. Doehne, Ch. Schnabel, M. Bentin, Hochschule Emden Leer	x	x

Poster presentations: morning session

Lecture presentations: 10:30 – 12:45