

## Maritime Research Forum

SMM, September 4-7, 2018  
Foyer East, 1. Floor

### Program

#### September 4, 2018

### Autonomous Maritime Systems and Technologies

#### Lectures and Poster Presentations

##### 13.30 Challenges in Deep-sea System Design

F. Boeck - Technische Universität Berlin, W. H. Wehner - thyssenkrupp Marine Systems, Kiel

##### 14.00 Predictive and Automated Ship Guidance and Motion Control

M. Lutz, Th. Meurer - Christian-Albrechts-Universität zu Kiel

##### 15.30 Supporting Maritime Search and Rescue Missions with Unmanned Aerial Systems

P. Gorczak - Technische Universität Dortmund, T. Lübcke - Deutsche Gesellschaft zur Rettung Schiffbrüchiger (DGzRS), Bremen

##### 16.00 SCAS Systems and Components for Autonomous Ships

R. Henking - EurA AG, Hamburg

#### September 5, 2018

### Shipping / Maritime Logistics

#### Lectures and Poster Presentations

##### 10.30 Motorways of the Sea

C. Jochum - ENSTA Bretagne, Brest

##### 11.00 Simulation-based Systems to Support Decision-making in Maritime Logistics

M. Dreyer, H. Schuett - Institut für Seeverkehrswirtschaft und Logistik,  
Bremen/Bremerhaven

##### 11.30 Efficient Ship Crew Scheduling complying with Resting Hours Regulations

A. Rizvanolli - Fraunhofer-Center für Maritime Logistik und Dienstleistungen CML, Hamburg

##### 14.30 MCTAS: Cooperative Collision Avoidance at Sea Based on E-navigation

S. Feuerstack - OFFIS, B. Weinert - Carl von Ossietzky Universität Oldenburg

##### 15.00 Financing Green Shipping: Addressing the Challenges with Pragmatism

O. Schinas - Hamburg School of Business Administration

##### 15.30 Privatization of Maritime Security

D. Siebels - University of Greenwich

### **Poster Presentations**

#### **Predicting the utilization of an empty container depot**

O. Rendel - Fraunhofer-Center für Maritime Logistik und Dienstleistungen CML, Hamburg

#### **European Maritime Simulation Network**

S. Shetty, H.-C. Burmeister - Fraunhofer-Center für Maritime Logistik und Dienstleistungen CML, Hamburg

## **September 6, 2018**

### **Analysis, Design, and Optimization of Maritime Systems**

#### **Lectures and Poster Presentations**

#### **10.30 Electric Ship Technologies in Complex Vessels: Technological Advancements and Their Impact on Ship Design**

G. Sulligoi, A. Vicenzutti - University of Trieste

#### **11.00 Prediction of the Power Required for Safe Maneuvering in Waves**

A. Cura-Hochbaum - Technische Universität Berlin

#### **11.30 The HERCULES Program on marine engine R&D (2004-2018)**

N. Kyrtatos - National Technical University of Athens

#### **14.30 Design-space Dimensionality Reduction Methods for Shape Optimization of Maritime Applications**

M. Diez, A. Serani - Italian National Research Council, Rome

#### **15.00 Experimental and Numerical Investigation of Sloshing**

J. Neugebauer - Universität Duisburg-Essen

#### **15.30 RAMSSES: Realization and Demonstration of Advanced Material Solutions for Sustainable and Efficient Ships**

F. Roland, M. Krause - Center of Maritime Technologies, Hamburg

### **Poster Presentations**

#### **Cavitation-Induced Erosion**

F. Reuter - Universität Duisburg-Essen

#### **Lean-Ships – Low Energy and Near to Zero Emission Ships**

D. Narayanan, - Center of Maritime Technologies, Hamburg

**September 7, 2018**

## **Networks and Profiles**

### **Lectures and Poster Presentations**

**10.30 Studying Blue Sciences at Hochschule Bremen**

G. Schellenberger - Hochschule Bremen

**11.00 Ship Strength Lab at Fachhochschule Kiel**

B. Bohlmann - Fachhochschule Kiel

**11.45 Boosting Productivity in a Vessel's Life Cycle with Digital Assistance Systems**

H. Loedding, A. Friedewald - Technische Universität Hamburg

**12.15 Green Shipping at Fachhochschule Emden-Leer**

R. Döhne, M. Bentin - Hochschule Emden/Leer

### **Poster Presentations**

**RDI in Maritime Transport funded by the European Commission**

F. Roland - Center of Maritime Technologies, Hamburg

**Network for Research and Innovation**

T. Ketelhohn - Center of Maritime Technologies, Hamburg

**Lecture Presentations** will take 30 minutes including discussion.

**Poster Presentations** will last the whole day.

**We like to inform you about:**

**September 7, 2018**

**Maritime Career Market**

**The meeting place for talent and careers**

Hall B4 Ground floor (between Foyer East and Hall B4 Ground Floor)

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