

# SOWOS

November 12, 2010

at Handwerkskammer Hamburg, Germany

**Flue Gas**

**Exhibition**

**Wastewater**

**Technology**

**Nutrients**

**Experience**

**Bilge Water**

**Regulations**

**Ballast Water**

In accordance with:



Federal Ministry  
of Transport, Building  
and Urban Development

Picture: Kirk Williams



Development and Assessment Institute  
in Wastewater Technology  
at RWTH Aachen University



Ship Safety Division  
BG for Transport and Traffic



German Shipowners' Association

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09:00 Registration desk open and opening exhibition - welcome coffee

Moderation: Ship Safety Division / VDR

10:00 Opening lecture

10:10 Task of the Seafaring in the light of the Implementation of the Marine Strategy Framework Directive

Stefanie Werner, Ulrich Irmer (Federal Environment Agency), Germany

10:30 Environmental Protection Issues

Tom Strang (Carnival Corporation London), UK

10:50 Marine Plastic Pollution Threatens Shipping and Much More

Captain Charles Moore (Algalita Marine Research Foundation), USA

11:10 Any Waste Any Time: MOVIE

Paul Altena (Royal Association of Netherlands Shipowners), Netherland

11:50 Identification of Ballast Water Exchange Areas in the North Sea

Kai Trümpler (BSH), Germany

12:10 Lunch / Exhibition

Moderation: PIA

13:25 The Influence of International Rules on Ships engineering Evaluated by Value Benefit Analysis

Holger Watter (Flensburg University of Applied Sciences), Germany

13:45 Reducing Air Pollution from Shipping - Regulation, Technology and Cooperation

Jesper Stubkjær (The Danish Environmental Protection Agency), Denmark

14:05 Emission Reduction and Adaption Necessary

Iulia Gensch (Helmholtz Association of German Research Centres; Forschungszentrum Jülich GmbH), Germany

14:25 Emission Control Techniques on Marine Engines

Matthias Schubert (Wärtsilä Corporation), Germany

14:45 Nutrient Load from Waste Waters Originating from Ships (*inquired*)

Jukka Sassi (VTT Technical Research Centre of Finland), Finland

15:05 Elimination of Nutrients - Waste Water Treatment on Ships

Monika Reitz, Elmar Dorgeloh (PIA e.V.), Germany

15:25 Discussion

15:45 Closing Lecture

15:55 Coffee Break / Discussion

(October 15th, 2010; program modifications reserved)

Sponsored by:

