

**SNAME GREEK SECTION**  
**3rd INTERNATIONAL SYMPOSIUM ON SHIP OPERATIONS,**  
**MANAGEMENT AND ECONOMICS**  
**ATHENS, GREECE, OCTOBER 7 & 8, 2010**

## *Final Program*

### ► **1st DAY** **THURSDAY, OCTOBER 7, 2010**

**8:30 - REGISTRATION-COFFEE**

**9:15 - OPENING STATEMENTS**

**10:00 - KEY NOTE SPEECH**

**Shipping; Freight and Capital Markets  
and Future Prospects**  
Harry Vafias, CEO StealthGas Inc.

#### **10:30 - *SESSION A:*** **RISK AND SAFETY I**

Chair: Dimitrios V. Lyridis

**10:30 - Risk-based Optimisation of Crude Oil Tanker  
Cargo Holds**

R. Hamann, K. Loer, and M. Buettner, Germanischer Lloyd  
AG, Hamburg (DE)

**10:55 - RAPORT – Guidance for Port Risk Assessment**

P. Zuesongdham, Hamburg Port Authority AoR (DE), E.  
Noce, D'Appolonia (I), M. V. Salaris, A. M. Gomez Arche,  
ISDEFE (ES), and P. Antao, Instituto SuperioreTécnico  
(CENTEC) (PT)

**11:20 - COFFEE BREAK**

**12:00 - Intelligence in Maritime Risk Management;  
Unified and Integrated Approach**

D. K. Theodosiou and T. Varelas, Danaos Management  
Consultants (GR)

**12:25 - Optimization of Oil Outflow and Cargo Capacity  
of an AFRAMAX Oil Tanker Design**

A. Papanikolaou, G. Zaraphonitis, E. Boulougouris, NTUA,  
School of NAME, Ship Design Laboratory (GR), U.  
Langbecker, S. Matho, and P. Sames, Germanischer Lloyd  
AG, Hamburg (DE)

**12:50 - Common Structural Rules (CSR) for tankers.**

**The presentation, the introduction and the failures**  
S. Hatzigrigoris, S. Karapanos, Maran Tankers Management  
Inc. (GR) and N. Papadakis, Anangel Maritime Services Inc.  
(GR)

**13:15 - BUFFET LUNCH**

#### **14:30 - *SESSION B:*** **SHIPPING MARKET MODELING**

Chair: Panayotis G. Zacharioudakis

**14:30 - An Economic and Environmental Analysis of US  
East Coast Short Sea Shipping**

B. Smart, J. Wise, Webb Institute (USA)

**14:55 - The Impact of Bunker Price on VLCC Spot Rates**  
J. Devanney, Center for Tankship Excellence (USA)

**15:20 - Forecasting Baltic Dry Index Using Non-Linear  
Chaotic Models & Artificial Neural Networks**

C. Giziakis, A. Goulielmos, and E. Kapothanassis,  
University of Piraeus, Department of Maritime Studies (GR)

**15:45 - Applied Techniques of Econometric Forecasting in  
the Second-Hand Tanker Market**

N. Geomelos, Dept. of Shipping, Trade and Transport,  
University of Aegean (GR)

**16:10 - Economic Volatility Spillovers between Related  
Derivatives Markets: the Case of Commodity and  
Shipping**

M. G. Kavussanos, Athens University of Economics and  
Business (GR), I. D. Visvikis, and D. N. Dimitrakopoulos,  
ALBA Graduate Business School (GR)

**16:35 - COFFEE BREAK**

#### **17:00 - *SESSION C:*** **RISK AND SAFETY II**

Chair: Apostolos Papanikolaou

**17:00 - GOALDS-Goal Based Damaged Stability - A New  
Approach to Passenger Ship Damage Stability and Safety**

A. Papanikolaou, Ship Design Laboratory, National  
Technical University of Athens - NTUA (GR), C. Mains,  
Germanischer Lloyd (DE) S. Rusaas, Det Norske Veritas  
(NO), R. Szalek, Safety at Sea (UK), N. Tsakalakis, D.  
Vassalos, Universities of Glasgow & Strathclyde - Ship  
Stability Research Center (UK), and G. Zarafonitis, NTUA  
(GR)

**17:25 - Making the Phantom Real: A Case of Applied  
Maritime Human Factors**

K. Dittman, Lyngsø Marine A/S (DK), M. Lutzhoft,  
Chalmers Technical University (SE), and E. S. Petersen,  
Lyngsø Marine A/S (DK)

**17:50 - Casualties of Medium Size Tankers**

E. Eliopoulou, P. Diamantis, and A. Papanikolaou, Ship  
Design Laboratory, National Technical University of Athens  
(GR)

**18:15 - Technological Improvements on Bridge Systems  
and Marine Accident Prevention**

G. Parasyris, G. Georgoulis, and N. Nikitakos, Department  
of Shipping Trade and Transport, University of the Aegean  
(GR)

**18:40 - END OF FIRST DAY SESSIONS**

**19:00 - BUFFET DINNER**

► **2nd DAY**  
**FRIDAY, OCTOBER 8, 2010**

**8:30 - REGISTRATION-COFFEE**

**9:00 - SESSION D:**

Lecture by the President of SNAME

**9:00 - Innovation in Ship Design-How Efficiency & Environmental Performance Expectations will Influence Future Ship Designs**

Keith Michel, President of SNAME

**9:25 - SESSION E:**

**ENVIRONMENTAL MANAGEMENT  
AND AIR EMISSIONS**

Chair: Nikolaos Ventikos

**9:25 - Establishment of a system to compare Energy Usage and Emissions for all transport modes**

H. Lindstad, MARINTEK (NO), O. T. Morkve, Det Norske Veritas (NO), and H. N. Psaraftis, Laboratory for Maritime Transport, National Technical University of Athens (GR)

**9:50 - EU Low Sulphur Directive Application to Steam Powered LNG Ships**

R. A. Gilmore and A. Spertos, Maran Gas Maritime Inc. (GR)

**10:15 - Operational Issues & Additive Solutions to Issues Caused by the Use of Low Sulphur Fuel**

I. Crutchley, Innospec Limited, Ellesmere Port (UK)

**10:40 - Carbon Dioxide Emissions Valuation and its Uses**

C. A. Kontovas and H. N. Psaraftis, Laboratory for Maritime Transport, National Technical University of Athens (GR)

**11:05 - COFFEE BREAK**

**11:30 - SESSION F:**

**OPERATIONS, MAINTENANCE, AND REPAIRS I**

Chair: Antonios Antoniou

**11:30 - Development of an Intelligent Controller to Increase Safety in Ship Maneuvering**

V. Grigoryev and M. Paschen, Rostock University (DE)

**11:55 - Enhanced Ship Maintenance Approach Based on Criticality and Reliability Assessment**

I. Lazakis, O. Turan, and S. Judah, Newcastle University Marine International (UK & S/PORE)

**12:20 - Antifoulings – Concerns, Penalties and Remedies, Especially For The Smaller Fleet Operator**

R. L. Townsin, University of Newcastle upon Tyne (UK) and R. Katta, Safinah Ltd (UK)

**12:45 - Impact of Cargo Loading on Bulk Carriers**

J. E. Kokarakis, Bureau Veritas (GR), G. De-Jon, Bureau Veritas (FR)

**13:10 - BUFFET LUNCH**

**14:30 - SESSION G:**

**OPERATIONS, MAINTENANCE, AND REPAIRS II**

Chair: Harilaos N. Psaraftis

**14:30 - Intelligent Algorithm for Fuel Oil Supply**

O. T. Varelas, Anangel Maritime Services (GR) and D. Moutsikopoulou, Danaos Management Consultants (GR)

**14:55 - Robust Fleet Sizing and Deployment for Industrial and Independent Bulk Ocean Shipping Companies**

P. S. Tsilingiris and N. M. P. Kakalis, Det Norske Veritas Research & Innovation (GR)

**15:20 - Contribution Towards Determination of the Optimal Ship Speed**

J. E. Kokarakis, Bureau Veritas, (GR), V. Hatziyanni, G. Dienis, G. Vassilakis, M. Adamis, OSG Ship Management (GR)

**15:45 - Intelligence in Crew Option Systems: Cos(i)**

T. Varelas and S. Archontaki, Danaos Management Consultants (GR)

**16:10 - COFFEE BREAK**

**17:00 - SESSION H:**

**KEY ISSUES IN MARITIME OPERATIONS**

Chair: Petros Lalangas

**17:00 - Single Hull VLCCs, the Last Farewell**

C. S. Dritsas, S. X. Hatzigrigoris, S. V. Karapanos, Maran Tankers Management Inc. (GR), S. I. Kouzof, Alpha Marine Services (GR), A. V. Sakelaridis, Maran Tankers Management Inc. (GR), Ph. I. Tsihliis, Alpha Marine Services (GR), N. J. Vassilakis, and Z. V. Yerasimou, Maran Tankers Management Inc. (GR)

**17:25 - A Methodology for Due Diligence Assessment and Implementation in Ship to Ship (STS) Oil and Products Operations**

S. Perissakis, National Technical University of Athens (GR) and A. Glykas, University of the Aegean, Department of Shipping Trade and Transport (GR)

**17:50 - The Attitude of Shipping Companies Involved in Accidents Towards the Implementation of the ISM Code**

C. Giziakis and G. Papadopoulou, University of Piraeus, Dpt. of Maritime Studies (GR)

**18:15 - Maritime Arbitration in Piraeus**

D.G. Capaitzis, Naval Architect and Marine Engineer (GR)

**18:40 - END OF SECOND DAY SESSIONS**

**18:45 - CLOSING STATEMENTS**