

# PROGRAMME

## ANNUAL MEETING OF MARINE TECHNOLOGY 2014

### HELLENIC INSTITUTE OF MARINE TECHNOLOGY

Tuesday, 18<sup>th</sup> November 2014

8:15- 9:00	Registration
9:00- 9:10	<b>Welcome</b> K. Spyrou, Chairman of The Hellenic Institute of Marine Technology
9:10-9:30	<b>Opening Addresses</b> Ch. Simantonis, <i>President of the Hellenic ShortSea Ship-owners Association</i> D. Mitsatsos, <i>Director General HELMEPA</i> C. Giordamlis, <i>Member of the Executive Committee of HEMEXPO</i>
9:30-10:30	<b>Session 1: Marine fuels - The way ahead</b> Chair: S. Daniolos, <i>Minerva Marine Inc.</i> LNG as ship fuel D. Peirounakis, P. Mizithras <i>Hellenic Register of Shipping</i>  Distillate marine fuels: characteristics and possible operating issues E. Bakoyanni <sup>1</sup> , B. Stamatopoulos <sup>2</sup> , C. Sxoinas <sup>1</sup> <sup>1</sup> <i>Merchant Marine Academy/Macedonia</i> , <sup>2</sup> <i>DNVPS</i>
10:30-11:00	<b>Thematic Talk 1</b> <b>Recent Industry Advances on Propulsion</b> E. Boletis, Director, Research & Development, Business Line Propulsion, Wärtsilä Ship Power Chair: S. Anastasaki, <i>Naval Architect, Ship Surveyor</i>
11:00 – 11:30	<b>Coffee break</b>
11:30-12:00	<b>Thematic Talk 2</b> <b>Developments in the field of marine tourism</b> Th. Kontes, President, Union of Cruise Shipowners and Associated Members Chair: M. Mantzafos, <i>Hellenic Lloyd's S.A.</i>
12:00-13:00	<b>Session 2: Passenger ships - The architect's view point</b> Chair: I. Kouimanis, <i>Naval Architect, Member of the Advisory Committee of H.I.M.T</i>  Recent trends in the design of passenger ships A. Koutsokosta, M. Filippidi <i>AMK Architecture</i>  Design and operation of ships: the development of naval architecture and the involvement of architecture in ships P. Karavatakis <i>ARCH-MID</i>

13:00 – 14:15	<b>Lunch</b>
14:15-15:15	<p style="text-align: center;"><b>Session 3: Practices for meeting European environmental regulations</b>  <b>Chair: P. Zachariadis, Atlantic Bulk Carriers Management Ltd.</b></p> <p style="text-align: center;">Monitoring, reporting and verification of CO2 emissions (MRV)  <sup>1</sup>I.Kokarakis, K. Galanis<sup>2</sup>  <sup>1</sup>Bureau Veritas,<sup>2</sup>Seanergy Maritime Holdings</p> <p style="text-align: center;">SECAs regulations: implementation, causes of non-compliance in Europe and appropriate actions  E. Bakoyanni<sup>1</sup>, B. Stamatopoulos<sup>2</sup>, C. Sxoinas<sup>1</sup>  <sup>1</sup>Merchant Marine Academy/Macedonia, <sup>2</sup>DNVPS</p>
15:15 – 17:30	<p style="text-align: center;"><b>Round Table Discussion</b></p> <p style="text-align: center;"><b>Short-Sea Shipping Environmental Regulations Compliance – Techno economic Aspects</b></p> <p style="text-align: center;"><b>Coordinator: George Vozikis, Deputy Director, Hellenic ShortSea Ship-owners Association</b></p> <ul style="list-style-type: none"> <li>• Korres Alkis, Maritime Economist, Correspond Consultant in European Affairs, Hellenic ShortSea Ship-owners Association</li> <li>• Papadimitriou Efstatis, Professor, Maritimes Studies, University of Piraeus</li> <li>• Sakellis Michael, President, Greek Shipowners Association For Passenger Ships (SEEN)</li> <li>• Simantonis Charalampos, President, Hellenic ShortSea Ship-owners Association</li> <li>• Theotokas Ioannis, Professor, Dep. Of Shipping Trade and Transport, University of the Aegean</li> <li>• Yannoulis Panagiotis, President Oceanking S.A., Representative SPC Greece at the ESSF</li> </ul>

**Wednesday, 19<sup>th</sup> November 2014**

09:00-10:00	<p style="text-align: center;"><b>Session 4: Safety studies in ship operation</b></p> <p style="text-align: center;"><b>Chair: G. Kotrel, Euromarine LTD</b></p> <p>Risk analysis in ship to ship transfer of cargo: conventional and advanced evaluation methods N. Ventikos, D. Stavrou <i>School of Naval Architecture and Marine Engineering, NTUA</i></p> <p>Methods of computational modelling and simulation in safety assessment of complex marine engine systems A. Zlmaris<sup>1</sup>, G. Dimopoulos<sup>1</sup>, E. Rde<sup>2</sup>, N. Kakalis<sup>1</sup> <sup>1</sup><i>DNV GL Strategic Research &amp; Innovation, Piraeus, Greece</i> <sup>2</sup><i>DNV GL Safety Research, Hamburg, Germany</i></p>
10:00-11:15	<p style="text-align: center;"><b>Session 5 : Sponsors Technical Presentations</b></p> <p style="text-align: center;"><b>Chair: N. Themelis, NTUA</b></p> <p>Ships with LNG as propulsion fuel G. Teriakidis, <i>Regional Business Development Manager, DNV GL Maritime</i></p> <p>Exploration of the current and future fuel landscape M. Kiratsoudi, <i>FOBAS Senior Specialist, Hellenic Lloyd's S.A</i></p> <p>Environmental regulatory developments S. Fradelos, <i>Principal Engineer, Environmental Performance, ABS</i></p> <p>Bureau Veritas &amp; oil tankers G. Andreadis, <i>Manager Marine Center, Bureau Veritas</i></p> <p>Technology qualification: a powerful tool for innovative propulsion projects M. Markogiannis, <i>Manager, RINA Greece Plan Approval &amp; Technical Support Centre</i></p>
11:15-11:45	<b>Coffee break</b>
11:45-12:45	<p style="text-align: center;"><b>Session 6: Innovative applications in marine technology</b></p> <p style="text-align: center;"><b>Chair: A. Papetros, Bogdanos Marine</b></p> <p>Experimental exhaust system with controllable gas-flow bypass through particulate filters, for smoke emissions abatement during load-up transients in marine engines G. Papalambrou, F. Papoulias, S. Topaloglou, N. Kyrtatos <i>School of Naval Architecture and Marine Engineering, NTUA</i></p> <p>Biomimetic flapping-foil thrusters for augmenting ship propulsion in waves K. Belibassakis, E. Filippas <i>School of Naval Architecture and Marine Engineering, NTUA</i></p>
12:45-13:15	<p><b>Thematic Talk 3</b></p> <p><b>Design and operation of ships</b> E. Zoupas, <i>Drasis Shipping CO S.A.</i></p> <p><b>Chair: E. Basdani, Commodore HCG (rtd)</b></p>
13:15-14:15	<b>Lunch</b>

14:15-14:45	<p style="text-align: center;"><b>Thematic Talk 4</b></p> <p style="text-align: center;"><b>Environmental protection policies of the Piraeus Port Authority and European challenges</b></p> <p style="text-align: center;">S. Chatzakos <i>General Manager of Piraeus Port Authority and Honorary President of MedCruise</i></p> <p style="text-align: center;"><b>Chair: G. Pratikakis, Naval Architecture Progress &amp; HELENGI Engineering Ltd.</b></p>
14:45-15:30	<p style="text-align: center;"><b>Session 7: Sponsors Technical Presentations</b></p> <p style="text-align: center;"><b>Chair: A. Sigouras, NAFSOLP S.A.</b></p> <p style="text-align: center;">ME-GI – LNG as Fuel Retrofit, The Shipyard’s Perspective K. Antonopoulos, <i>Senior Commercial Manager, N-KOM</i></p> <p style="text-align: center;">Innovative Change Over and Cooling System from Alfa Laval for running with Gas Oil into ECA areas D. Poulos, <i>Marine and Diesel Power Manager, ALFA LAVAL</i></p> <p style="text-align: center;">The Next Day of Private Maritime Education N. Gousopoulos, <i>Director, School of Maritime Studies, New York College</i></p>
15:30-16:00	<p style="text-align: center;"><b>Thematic Talk 5</b></p> <p style="text-align: center;"><b>Green technologies, retrofits in GREECE</b></p> <p style="text-align: center;">A. Sigouras, NAFSOLP S.A.</p> <p style="text-align: center;"><b>Chair: K. Belibassakis, NTUA</b></p>
16:00-17:00	<p style="text-align: center;"><b>Session 8: Selected papers from the IMAM 2013 Congress, Spain</b></p> <p style="text-align: center;"><b>Chair: P. Yannoulis, OceanKing S.A.</b></p> <p style="text-align: center;">Experimental investigation of a BOC-50 sailing yacht model in regular and random head waves G. Papantonatos, D. Liarokapis, K. Sfakianaki, J. Trahanas, G. Grigoropoulos <i>School of Naval Architecture and Marine Engineering, NTUA</i></p> <p style="text-align: center;">A case study for oil spillage in Greek waters: results based on simulation N. Ventikos <i>School of Naval Architecture and Marine Engineering, NTUA</i></p> <p style="text-align: center;">Experimental investigation of bi-stability in a vertically excited rectangular tank with finite liquid depth N. Kaloumenos, A. Grammatikopoulos, C. Spandonidis, K. Spyrou <i>School of Naval Architecture and Marine Engineering, NTUA</i></p>
17:00-17:15	<p style="text-align: center;"><b>Synopsis of conference</b></p> <p style="text-align: center;"><b>K. Spyrou, Chairman of The Hellenic Institute of Marine Technology</b></p>
<b>Closing of the Conference</b>	