

CALL FOR PAPERS

MARSIM 2012

23rd - 27th April 2012

In conjunction with

SINGAPORE
maritimeweek
2012



Organisers




SMA
Singapore Maritime Academy
SINGAPORE POLYTECHNIC


M P A
SINGAPORE

www.martech2012.com

ANNOUNCEMENT

Conference Objectives

To unite technocrats, professionals, decision makers, academics and related interest groups of the maritime world, for exchange of views, experiences and innovative ideas towards gaining insights on Simulation, Training and Technology in the maritime and offshore industry.

Highlights

- Technical and topical presentations
- Distinguished speakers & subject matter experts
- Exhibitors showcasing the latest in Maritime Simulation, Training, Communication and Technology
- Excellent opportunity to network with industry leaders and guests

Who Should Attend

The conference and exhibition will be of immense interest to:

- Simulator Experts
- Educators
- Marine Equipment Manufacturers
- Marine Engineers
- Marine Suppliers
- Marine Consultants
- Maritime Industry Regulators
- Maritime Arbitrators/Lawyers
- Navigation Officers
- Naval Architects
- Ship Builders & Repairers
- Ship Owners & Operators
- Ship Managers & Charterers
- Ship Financiers
- Ship Brokers
- Ship Agents
- Offshore Oil & Gas Operators

Organised by

SINGAPORE MARITIME ACADEMY (SMA)

In 1957, Singapore Polytechnic (Dept of Nautical Studies) took over training of navigation officers from the Sailors' Institution. Subsequently the Department of Marine Engineering was added to train marine engineer officers as well. In 1991, the two departments combined to form the Maritime Technology and Transportation (MTT) Department. Singapore Maritime Academy (SMA) was formed in 2000 as a result of a merger of Maritime Technology and Transportation Department of Singapore Polytechnic and the National Maritime Academy of the Maritime and Port Authority of Singapore.

SMA has been conferred the Lloyd's List Maritime Asia Awards - Best Seafarer Training Institute in 2000 and 2002 and Youth Development Award in 2004, 2005, 2006 & 2007. SMA has also won The Education and Training Award at the Seatrade Asia Awards for 2008, 2011 and the Best Maritime Institute Award at the Marine BizTv Second Annual International Maritime Awards 2008.

MARITIME AND PORT AUTHORITY OF SINGAPORE (MPA)

The Maritime and Port Authority of Singapore (MPA) was established on 2 February 1996, with the mission to develop Singapore as a premier global hub port and international maritime centre (IMC), and to advance and safeguard Singapore's strategic maritime interests. It is the driving force behind Singapore's port and maritime development, taking on the roles of Port Authority, Port Regulator, Port Planner, IMC Champion, and National Maritime Representative. The MPA partners the industry and other agencies to enhance safety, security and environmental protection in our port waters, facilitate port operations and growth, expand the cluster of maritime ancillary services, and promote maritime R&D and manpower development.

IMSF

The IMSF is an organization for professionals involved in the advancement of maritime education, training and research through the use of simulation. Objectives are to provide an effective medium for the interchange of ideas, develop performance criteria for the use of simulators and to collaborate with all other organizations involved in maritime simulation and manpower development.

TOPICS COVERED

1. Marine Education and Training using Marine Simulators

Implications of STCW and Implications of the New Manila Amendments
Training and Education Standards
Curriculum Development (STCW courses/Novel courses)
Instructor Qualification
Assessment of MET Simulator Training
Education Theory for Most Effective Use of Simulation, Multimedia and Internet
New Approaches to Education and Training, including Distance Learning(E-coach)

2. Marine Simulators and Simulation Technologies

State of the Art of Maritime Simulation
Virtual Reality and/or Internet
Developments and Applications of Simulation in Other Fields
Use of PC-based Simulator/Simulation for Training(Part task)

3. Prediction of Manoeuvrability

Prediction of Hydrodynamics Forces, Emphasis in Post-Panamax Vessels.
Prediction of Vessel Motion including Wave and Wind Effects.
Technology and Tools for Modelling, Sensing and Measurement
Research into Shallow/Restricted Waters Modelling and Prediction of Bank Effects
Ship Squat and Trim Predictions
Developments and Applications of Prototype Measurements in Ship Maneuvering and Control
Full-Scale Validation
Prediction of Hydrodynamics Forces inside Locks Structures
Own ship towing simulation, Emphasis on New Z-peller and Post-Panamax Maneuvering Techniques

4. International Maritime Standards and Criteria for Design

International Standards and Regulations for Design
Vessel and Transportation System Design Tools
International Rules and Regulations (including licensing) for Vessel Operations

5. Advanced Ship-Handling Controller and Supporting System

Integrated Bridge System
Autopilot
Dynamic Positioning System
Advanced Device
E-navigation and Vessel Positioning as Mariners Tools

6. Human Factors on Ship-Handling

Human factor on Ship Handling
Human Interfacing in Ship-Handling Supporting System
Special Operation
Fatigue and Alertness Countermeasures
Behavioral Science and Macro-Ergonomics Applications
Other Human Factors

7. Safety Operation and Management System

Safety Management System
System Safety Analysis
Bridge / Engine Resource Management at Operational and Management Levels
Application to Simulator Utilities

8. Assessment of Navigational Environment and Analysis of Marine Casualties using Ship-Handling Simulator

Assessment of Navigational Environment
Port and/or Waterway Design and/or Assessment
Vessel Traffic Control Design and/or Assessment
Analysis of Marine Casualties
Psychological Factors in Simulation and Actual Operation

Reply slip

Proposed Title of Paper: _____

Authors Name(s): _____

Designation(s): _____

Company/Institution: _____

Address: _____

Phone: _____ Fax: _____

Email: _____



Interested authors are invited to submit an abstract, of about 200 - 250 words, in English, by email as an MSWord/PDF file to the following address:

Mr. S Premanathan
Chairman (Technical Sub-committee), MARSIM 2012
Singapore Maritime Academy
SINGAPORE POLYTECHNIC
500 Dover Road, Singapore 139651
Phone: (65) 6772 1773 Fax: (65) 6772 1958, Email: s.prem@sp.edu.sg

The abstract should be submitted together with the details mentioned in the reply slip (see above):

Author's Schedule

Deadline for Submission of Abstract : 30 November 2011

Notification of Acceptance : 06 January 2012

Deadline for Submission of Final Paper : 28 February 2012

Selections for Final Papers will be made by the Conference Technical Sub-Committee and notice of acceptance will be sent to the selected authors.

A formal invitation will be issued to selected authors whose final papers are accepted. Travel and accommodation expenses will be borne by the delegates/speakers presenting papers at the MARSIM Conference. As a guidance to authors, the final paper is expected not to exceed 3500 words and to be presented in 20 minutes at the Conference.

For any other matters, contact: Capt. Ashok Mulloth (Secretariat), MARSIM 2012, Email: amulloth@sp.edu.sg, Tel: 6870 6033