

**PRE-REGISTRATION FORM****INTERNATIONAL MARITIME-PORT  
TECHNOLOGY AND DEVELOPMENT  
CONFERENCE, MTEC 2017**

26 - 28 April 2017, Singapore

Please return this pre-registration form and all subsequent correspondences to:

**MTEC 2017 Secretariat**

Maritime and Port Authority of Singapore  
460 Alexandra Road #17-00 PSA Building  
Singapore 119963  
Tel: +65 6375 1243  
Fax: +65 6375 1719  
Email: mint@mpa.gov.sg

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

(Prof./Dr./Mr./Ms./Mrs.)

Organisation: \_\_\_\_\_

Designation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**DELEGATE PRE-REGISTRATION** (Please indicate)

- I intend to attend the Conference
- I intend to attend the Conference and present a paper in (Please ✓)
- Green Shipping
  - Smart Shipping
  - Port of the Future
  - Ocean Space Technologies
- The abstract is attached
- I intend to exhibit my products at the Conference
- For the paper to be accepted, at least one author must register and present the paper.
  - All registration will be subjected to availability and on a first-come-first-served basis.
  - More information on the exhibition will be sent to

**MTEC 2017 - THE 5<sup>TH</sup> INTERNATIONAL  
MARITIME-PORT TECHNOLOGY AND DEVELOPMENT  
CONFERENCE**

Organisers:

**Maritime and Port Authority of Singapore  
Research Council of Norway  
Singapore Maritime Institute  
MARINTEK**

Co-organisers

**National University of Singapore  
Nanyang Technological University  
Ngee Ann Polytechnic  
Singapore Polytechnic**

The 5<sup>th</sup> International Maritime-Port Technology and Development Conference or MTEC 2017 will be held from 26 to 28 Apr 2017 in Singapore. MTEC is conference series currently held alternately between Singapore and Norway biennially. MTEC2017 will be organised by the Maritime and Port Authority of Singapore (MPA), Research Council of Norway, Singapore Maritime Institute and MARINTEK, partnering the National University of Singapore, Nanyang Technological University, Ngee Ann Polytechnic and Singapore Polytechnic.

In conjunction with the conference, an exhibition featuring the latest R&D and technological products, systems and services in the port, maritime and offshore industries will be organised.

**CONFERENCE COVERAGE**

The conference will cover **Green Shipping, Smart Shipping, Port Of The Future and Ocean Space Technologies.**

Prominent keynote speakers will be invited for the 4 areas to offer views and share their experiences on the latest development, technologies, practices and trends.

Papers are invited to be submitted for these 4 areas. Papers covering subjects not included in the topics indicated but relevant to the 4 areas may be considered.

**GREEN SHIPPING**

The maritime industry is facing increasing global concerns over climate change and environmental issues. With these concerns there is growing impetus for research, innovation development, adoption of clean energy and care for the environment.

Papers on the following topics covering green port and shipping are invited for presentation at the conference:

- Ship Emission and Waste Treatment Technologies
- Ballast Water Treatment, Environmentally Friendly Antifouling Coatings and Cold Ironing Technologies
- Waste Energy Utilisation, Diesel-Electric Hybrids and Energy Management Systems
- Remote Sensing and Environmental Monitoring Technologies
- Renewable and Alternate Sources of Energy
- Alternate and Innovative vessels

**SMART SHIPPING**

Shipping transports 90% of the world's cargo. There is growing demand on port connectivity, intelligent planning and development tools and technologies to drive more efficiency and productivity into shipping. Maritime communications is changing with the advent, for example, of new satellite systems, designs and capacity. Industrial technology developments have opened new horizons for the maritime industry. Emerging industrial Internet concept, IoT systems connecting machines and using automated data analytics along with domain expertise offers promising value for maritime operation optimisation and maintenance.

Papers on the following topics of smart shipping are invited for presentation at the conference:

- E-Navigation
- Digital Shipping
- Autonomous Shipping
- Cyber Security
- Internet of Things

### PORT OF THE FUTURE

Ports world are constantly improving using new technologies, methods and processes to meet growing demand for higher productivity and service levels. There is growing port automation with port equipment suppliers and system developers researching and developing new automation equipment and systems. As shipping evolved, the ports have to adapt to meet these future changes.

Papers on the following topics are invited for presentation at the conference:

- Additive manufacturing
- ICT & Wireless Communications
- Simulation and Modelling
- Automation & Autonomy
- Sustainability, including Future Bunkering
- Future Ship Design
- Intelligent Port Traffic Management
- Land & Sea Space Optimisation

### OCEAN SPACE TECHNOLOGIES

Oceans, seas and coastal areas cover more than two-thirds of the earth's surface, contain 97% of the planet's water and have been important sources of marine and maritime resources. With increasing global demand, the world is constantly seeking technologies to access resources in ever further and deeper waters and harsher environment. Offshore production and transportation are increasingly becoming key factors in keeping up with demand and thus technological advancement in these areas will be the key to future success.

Papers on the following topics are invited for presentation at the conference:

- Deepwater and Subsea Technologies
- Deep Sea/Ocean Mining
- Large Floating Structures and Systems
- Ocean Energy
- CO2 sequestration
- Arctic development and operations

### ABSTRACT SUBMISSION

Paper selection will be based a one-page abstract of about 300 words in length including, but not limited to:

- Green Shipping
- Smart Shipping
- Port of the Future
- Ocean Space Technologies

Abstracts submitted must include the title of paper, author's or authors' names and organisations. **Deadline for Abstract Submission is 1st July 2016.**

**Upon acceptance of the full papers, Authors must confirm their registrations by 31 January 2017 in order to have their papers included in the conference programme / proceedings.**

Accepted and presented papers will be published and distributed in printed proceedings as well as electronically. Papers will be indexed in ISI, EI, Scopus and others. Selected papers will be considered for publication in THE TRANSACTIONS OF THE ROYAL INSTITUTION OF NAVAL ARCHITECTS, Part A – International Journal of Maritime Engineering

For further information or inquiries, please contact:

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Email: [mint@mpa.gov.sg](mailto:mint@mpa.gov.sg)

### WHO SHOULD ATTEND

MTEC 2017 aims to bring together researchers in the academic and research institutes, terminal operators, offshore engineers, shipping lines, and consultants and practitioners in the port-maritime industries to share new development, concepts and practices and exchange views and experiences.

In conjunction with the conference, an exhibition featuring the latest R&D and technological products, systems and services in the port and maritime industries and offshore engineering will be organised.

For enquiries, please contact:

MTEC 2017 Conference Secretariat at [mint@mpa.gov.sg](mailto:mint@mpa.gov.sg) or Mr Tan Yanru Andrew at [Tan\\_Yanru@mpa.gov.sg](mailto:Tan_Yanru@mpa.gov.sg)

### THE ORGANISER

**Maritime & Port Authority of Singapore (MPA)** strives to develop Singapore as a premier global hub port and international maritime centre, and to advance and safeguard Singapore's strategic maritime interests. MPA 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. 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.

### KEY DATES

**Submission of Abstracts: by 1<sup>st</sup> July 2016**

**Notification of Abstract Acceptance: 31<sup>st</sup> Sept 2016**

**Submission of Paper Acceptance: 31<sup>st</sup> December 2016**