Conference Programme

Annual Conference of the International Association of Maritime Economists

27 - 30 June 2017, Kyoto, Japan
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Greetings from the IAME President

Dear IAME 2017 Participant,

On its 25th anniversary, the International Association of Maritime Economists is honoured and happy to hold its annual conference in Kyoto.

An IAME conference in Japan was long overdue, and I want to personally thank the entire IAME Kyoto team for having submitted their offer and proposal at our IAME conference in 2015 – and more than fully delivering on it two years later, today in 2017. The organising team of IAME 2017 has put together a tremendous programme, both in terms of substance, as well as in terms of logistics and networking opportunities.

Our association celebrates twenty-five years of service to a community of researchers and practitioners in port and shipping economics. With two associated maritime journals, numerous networking tools, and our annual global conference, IAME has shown to be the premier association for those of us who are passionate about research and teaching in maritime economics.

On its 25th anniversary, our conference this year includes a number of special sessions to celebrate our first quarter-century. We will also hold a commemorative session in memory of the late Prof. Richard Goss and late Prof. Ross Robinson, who have made invaluable contributions to our association.

Next year, in 2018, IAME will hold its annual conference in Mombasa – the first time we meet on the African continent and another reflection of the truly global nature of maritime transport and our association.

With best wishes for a successful conference,

Dr. Jan HOFFMANN
IAME President; UNCTAD, Switzerland

IAME Council

Prof. Dr. Michele ACCIARO
Kühne Logistics University, Germany

Prof. Dr. Michaël DOOMS
University of Brussels, Belgium

Prof. Dr. Okan DURU
Nanyang Technological University, Singapore

Prof. Dr. Jasmine LAM
Nanyang Technological University, Singapore

Prof. Dr. Paul T-W LEE
RMIT University, Melbourne Australia

Prof. Dr. Venus LUN
Hong Kong Polytechnic University

Prof. Dr. Francesco PAROLA
University of Genoa, Italy

Prof. Dr. Dong-Wook SONG
World Maritime University, Sweden

Prof. Dr. Ilia VIVIKIS
World Maritime University, Sweden

Dr. Thomas VITSOUNIS
Australia

Prof. Dr. Masato SHINOHARA
The University of Fukuchiyama / Kyoto University, Japan

Prof. Dr. Theo NOTTEBOOM
Emeritus President; University of Antwerp
About IAME & the Conference

The International Association of Maritime Economists (IAME) was established in 1992 and has now become the most prominent academic society of scholars with an interest in maritime economics, which includes ports, shipping and hinterland transport. IAME members come from a variety of research backgrounds, primarily economics and management, but also from logistics, finance, engineering, sociology etc.

The main event of the Association is its Annual Conference, which is held in various places and brings together researchers and professionals from all over the world. The IAME Annual Conference is an opportunity for the academics to meet and discuss current research topics and contribute to the development of maritime economics and management disciplines.

The conference takes place in Japan for the first time. It is with great pleasure that the organiser of IAME 2017 welcome the members of the IAME to the world tourist city of Kyoto. The conference host is Graduate School of Management, Kyoto University. It is also notable that we celebrate the 25th anniversary of the establishment of IAME this year. The members of the Organising Committee are determined to offer an ideal environment for the success of the conference in this commemorative year, as well as to offer the participants superb opportunities to see and experience Japanese culture, architectures, foods, fashion etc.

Organising Committees

Prof. Dr. Masato SHINOHARA
Conference Chair; Professor, the University of Fukuchiyama, Japan / Adjunct Professor of Kyoto University, Japan

Prof. Dr. Masahiko FURUICHI
Conference Co-chair and Chair of Local Organising Committee; Graduate School of Management, Kyoto University, Japan

Prof. Dr. Theo NOTTEBOOM
External Advisor and 25th Anniversary Session Chair; Professor, Shanghai Maritime University / University of Antwerp / Ghent University

Prof. Dr. Shunsuke SEGI
Vice Chair of Local Organising Committee; Assistant Professor of Graduate School of Engineering, Kyoto University, Japan

Prof. Dr. Kazuhiko ISHIGURO
Chair of the ISSC; Associate Professor, Graduate School of Maritime Sciences, Kobe University, Japan

Prof. Dr. Okan DURU
Vice Chair of the ISSC; Assistant Professor, Nanyang Technological University, Singapore

Prof. Dr. Tomoya KAWASAKI
Vice Chair of the ISSC; Assistant Professor of School of Environment and Society, Tokyo Institute of Technology, Japan

Prof. Dr. Ryuichi SHIBASAKI
Vice Chair of the ISSC; Associate Professor, Graduate School of Engineering, the University of Tokyo, Japan

Prof. Motohisa ABE
Professor, Arctic Research Center, Hokkaido University

Prof. Dr. Hiroko AMENO
Professor, Faculty of Commerce, Kansai University

Prof. Dr. Keiji HABARA
Professor, Faculty of Policy Studies, Kansai University

Prof. Dr. Hiroshi HOSHINO
Professor, Faculty of Economics, Kyushu University

Prof. Dr. Masahiro ISHI
Professor, Faculty of Economics, Sophia University

Prof. Dr. Hidekazu ITO
Professor, School of Business Administration, Kwansei Gakuin University

Mr. Takuma MATSUDA
Researcher, Japan Maritime Center

Prof. Dr. Akira OKADA
Associate Professor, Faculty of Environmental and Information Studies, Tokyo City University

Mr. Masaharu SHINOHARA
Director, Kobe-Osaka International Port Corporation

Prof. Dr. Koichiro TEZUKA
Professor, College of Economics, Nihon University

Prof. Dr. Daisuke WATANABE
Associate Professor, Faculty of Marine Technology, Tokyo University of Marine Science and Technology

Prof. Dr. Yutaka YAMAMOTO
Professor, Faculty of Business Administration, the University of Nagasaki
Kyoto University is a national university of Japan, located in Kyoto. It is the second oldest Japanese university founded in 1897 and is one of the most famed universities in Asia. Kyoto University places an importance on the autonomous and independent spirit and critical discussions. It has produced internationally renowned researchers, including ten Nobel Prize laureates, two Fields medallists and one Gauss Prize.

**Supporters**

- Kobe-Osaka International Port Corporation
- Nippon Kaiji Kyokai
- Japan Maritime Center
- The Japanese Shipowners’ Association (JSA)
- Mitsui O.S.K. Lines
- Yamagata Maritime Institute
- Kyoto Convention Bureau (Kyoto City)
- The Ports and Harbours Association of Japan (PHAJ)
- Waterfront Vitalization and Environment Research Foundation (WAVE)
- Japan Society of Logistics and Shipping Economics
Greetings from the IAME 2017 Conference Chair

Dear IAME 2017 Participants,

It is our great pleasure to host IAME 2017 in Kyoto, the well-recognised historical city and world’s centre of tourism. I am proud that I was born and grew up in this city, and having been the resident again since last year. The choice of Kyoto as the IAME conference venue was partly due to this reason, but it would not have been possible without a great support from Kyoto University and the colleagues on the Local Organising Committee.

Since we were appointed the conference organiser at the Kuala Lumpur conference in 2015, our precise preparation has been continued such as in financing, budgeting, venue reservation, speaker appointment, website building, paper reviewing, registration, and gala dinner and port tour arrangement. You will perhaps be surprised at the preciseness of work and the hospitality we are extending to you. This was done by the renowned Japanese management method, which is represented by “teamwork”.

As our study area is “maritime”, we combined Kyoto, as the conference venue, with the tour to the Port of Kobe and Osaka for your interest. The port is a unique example of privatisation strategy combining two ports for management by creating a new private company, while the ownership of the ports remaining in the hand of each municipality.

Japan has a large maritime cluster, but the practitioners in the industry are not outspoken enough traditionally, which results in the lack of information about it available. Therefore, we have made effort to invite as many practitioners as possible to the conference so that researchers can ask questions and exchange views with those who are at the front of maritime innovation.

This year celebrates 25th anniversary of the foundation of IAME. To commemorate this great achievement, we are hosting a special session with the long-time leaders in this study area as speakers so that we may combine the past, the present and the future of our study and organisation.

Lastly, we all regret that we have recently lost two great stars of IAME, Richard Goss and Ross Robinson. In the 25th anniversary session of the conference, two memorial presentations will be made to remember the works of the two great scholars and contributors to the development of IAME.

We do hope that all of you will be satisfied with the conference arrangement we have made and enjoy the most of what Kyoto and the Port of Kobe and Osaka offer.

Prof. Dr. Masato SHINOHARA
IAME 2017 Conference Chair; Professor, the University of Fukuchiyama, Japan / Adjunct Professor of Kyoto University, Japan
Greetings from Kobe-Osaka International Port Corporation

Welcome to Kansai!

“Kansai” is the name of the region including Kyoto, Osaka and Kobe as the major cities. As a member of the Local Organizing Committee and one of major sponsors as well as representing local maritime industry, I would like to extend a warm welcome to all the guests and participants in the IAME Conference 2017 - Kyoto. You might wonder why we have chosen Kyoto as a maritime conference venue. In fact, Kyoto was connected to the sea port of Osaka via river transport network until 150 years ago. The river transport contributed a lot to the pre-modern development of Kyoto by transporting not only everyday commodities but also industrial goods. After the Meiji Restoration, the central government began to develop sea ports of Kobe and Osaka as a new gateway to the world. Our company, Kobe-Osaka International Port Corporation, is a quasi-public corporation, managing container terminals and ferry terminals of the two ports. It has been created by the central government’s initiatives that aim to strengthen competitiveness of the two ports facing evermore challenging maritime environments. I truly hope that this conference will contribute to the better understanding and analysis of the global maritime industry, and I would like to learn many things attending this conference. Please enjoy the conference and your stay in Kyoto!

Mr. Masaharu SHINOHARA
Executive Officer, Kobe-Osaka International Port Corporation
International Scientific Steering Committee (ISSC)

The IAME 2017 Kyoto organisers would like to thank the ISSC members / reviewers for their support in the assessment of the papers and for the valuable comments provided to the authors. This has allowed offering two reviews per paper submission. The following people have contributed to the review process:

Michele Acciaro
Kühne Logistics University, Germany

Roar Os Adland
Norwegian School of Economics, Norway

Amir Alizadeh
CASS Business School, City University London, UK

Jason Angelopoulos
University of Piraeus, Greece

Mary R. Brooks
Dalhousie University, Canada

Emrah Bulut
Yildiz Technical University, Turkey

Stephen Cahoon
AMC, University of Tasmania, Australia

Pierre Cariou
Kedge Business School, France

A. Guldem Cerit
Dokuz Eylul University, Turkey

Christopher Clott
State University of New York, United States

Ana Cristina Casaca
Federal University of Maranhão, Brazil

Young-Tae Chang
Inha University, Korea

Ek Peng Chew
National University of Singapore, Singapore

Claude Comtois
Montréal University, Canada

Kevin Cullinane
University of Gothenburg, Sweden

Assunta Di Vaio
University of Naples “Parthenope”, Italy

John Dinwoodie
University of Plymouth, UK

Michael Dooms
Vrije Universiteit Brussel, Belgium

Okan Duru
Nanyang Technological University, Singapore

Soner Esmer
Dokuz Eylul University, Turkey

Sophia Everett
Victoria University, Australia

Claudio Ferrari
University of Genoa, Italy

Masahiko Furuichi
Kyoto University, Japan

Jong Khil Han
Sungkyul University, Korea

Hercules Haralambides
Erasmus University, Netherlands

Bruce C. Hartman
California Maritime Academy, United States

Trevor Heaver
University of British Columbia, Canada

Enna Hirata
Kobe University, Japan

Jan Hoffmann
UNCTAD, Switzerland

Hiroshi Hoshino
Kyushu University, Japan

Kazuhiro Ishiguro
Kobe University, Japan

Hidekazu Ito
Kwansei Gakuin University, Japan

Manolis Kavussanos
Athens University of Economics and Business, Greece

Tomoya Kawasaki
Tokyo Institute of Technology, Japan

Kap Hwan Kim
Pusan National University, Korea

Shashi N. Kumar
U.S. Merchant Marine Academy, United States

Ioannis Lagoudis
Malaysia Institute for Supply Chain Innovation, Malaysia

Kee Hung Mike Lai
The Hong Kong Polytechnic University, Hong Kong

Jasmine Siu Lee Lam
Nanyang Technological University, Singapore

Paul T.W. Lee
RMIT, Australia

Sung-Woo Lee
Korea Maritime Institute, Korea

Maria Lekakou
University of the Aegean, Greece

Burkhard Lemper
Institute of Shipping Economics & Logistics, Germany

Kevin X. Li
Chung-Ang University, Korea

Haakon-E. Lindstad
MARINTEK, Norway
Maps of Venues

Access to Hotel Granvia Kyoto

Hotel Granvia Kyoto is the main venue of the conference. The hotel is a part of JR Kyoto Station Building, which is accessible directly from the international airport (KIX, Osaka) by train or limousine bus. The following is a map around Hotel Granvia Kyoto and Kyoto Station Building. The hotel is located on the north side of the station.
Floor map of Hotel Granvia Kyoto

Rooms of the 5th floor and the 7th floor are used for the events and parallel sessions. The rooms for parallel sessions are denoted by A (Kaden), B (Tsurezure), C (Hojo), D (Shikibu) and E (Senzai).
Access to TKP in Kyoto Tower Hotel

TKP in Kyoto Tower Hotel is the supplementary venue of the conference due to the limited availability of rooms at Hotel Granvia Kyoto. TKP in Kyoto Tower Hotel is located within two-minute walk from Hotel Granvia Kyoto. As the conference sessions are held in two distant buildings, please identify the venue of the session you wish to join in the Parallel Session Overview.

Floor Map of TKP in Kyoto Tower Hotel

Three rooms on the 7th floor are used for the parallel sessions. They are denoted by F (Kikyo), G (Tachibana 1) and H (Tachibana 2).
Programme Overview (Schedule and Venues)

The participants are recommended to make registration on 27th June to avoid congestion in the morning of Day 1.

Day 0 (27 June)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 12:00</td>
<td>Port Performance Research Network Meeting</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>12:00 - 14:00</td>
<td>Lunch (Invitation Only)</td>
<td>Senzai Room</td>
</tr>
<tr>
<td>14:00 - 17:00</td>
<td>Conference Registration</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>17:00 - 19:00</td>
<td>Conference Registration</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>19:00 - 21:00</td>
<td>Welcome Reception</td>
<td>Taketori Room</td>
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</table>

Day 1 (28 June)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Venue</th>
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</thead>
<tbody>
<tr>
<td>08:00 - 09:00</td>
<td>Conference Registration</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>09:00 - 10:00</td>
<td>Opening Ceremony and Keynote Speech</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>10:00 - 12:00</td>
<td>Coffee Break</td>
<td>Kokin Room</td>
</tr>
<tr>
<td>10:20 - 12:00</td>
<td>IAME 25th Anniversary Session</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>12:00 - 13:20</td>
<td>Lunch</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>13:20 - 15:00</td>
<td>Parallel Session 1</td>
<td>Hotel Granvia Kyoto</td>
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<tr>
<td>15:00 - 15:20</td>
<td>Coffee Break</td>
<td>TKP in Kyoto Tower Hotel</td>
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<tr>
<td>15:20 - 17:00</td>
<td>Parallel Session 2</td>
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Day 2 (29 June)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00 - 10:40</td>
<td>Parallel Session 3</td>
<td>Hotel Granvia Kyoto &amp; TKP in Kyoto Tower Hotel</td>
</tr>
<tr>
<td>10:40 - 11:00</td>
<td>Coffee Break</td>
<td>Hotel Granvia Kyoto</td>
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<tr>
<td>11:00 - 12:20</td>
<td>Parallel Session 4</td>
<td>TKP in Kyoto Tower Hotel</td>
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<tr>
<td>12:20 - 13:20</td>
<td>Lunch</td>
<td>Hotel Granvia Kyoto</td>
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<tr>
<td>13:20 - 15:00</td>
<td>Parallel Session 5</td>
<td>Hotel Granvia Kyoto</td>
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<td>15:00 - 15:20</td>
<td>Coffee Break</td>
<td>Hotel Granvia Kyoto</td>
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<tr>
<td>15:20 - 17:00</td>
<td>Parallel Session 6</td>
<td>TKP in Kyoto Tower Hotel</td>
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<td>17:30 - 18:00</td>
<td>Journey to Gala Dinner by bus</td>
<td>Hotel Granvia Kyoto</td>
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<td>18:30 - 21:00</td>
<td>Gala Dinner</td>
<td>SODOH Higashiyama Kyoto</td>
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Day 3 (30 June)

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<th>Time</th>
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<tr>
<td>09:00 - 10:40</td>
<td>Parallel Session 7</td>
<td>Hotel Granvia Kyoto</td>
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<tr>
<td>10:40 - 11:00</td>
<td>Coffee Break</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>11:00 - 12:30</td>
<td>IAME General Assembly / Closing Ceremony</td>
<td>Hotel Granvia Kyoto</td>
</tr>
<tr>
<td>12:30 - 13:30</td>
<td>Lunch / Awards Presentation</td>
<td>Kokin Room</td>
</tr>
<tr>
<td>13:45 - 18:00</td>
<td>Port Tour</td>
<td>Osaka Port &amp; Kobe Port</td>
</tr>
</tbody>
</table>
Opening Ceremony and Keynote Speech

Date: 28 June 09:00 - 10:00
Venue: Kokin Ballroom, 5th floor of Hotel Granvia Kyoto

Opening Ceremony

1. Opening Speech

Dr. Masato Shinohara
IAME 2017 Conference Chair; The University of Fukuchiyama and Kyoto University

2. President's Address

Dr. Jan Hoffmann
IAME President; UNCTAD

3. Welcome Address

Mr. Masaharu Shinohara
Executive Officer, Kobe-Osaka International Port Corporation
(Vice President, International Association of Ports and Harbours)

Keynote Speech

Mr. Koichi Muto
Chairman of the Board, Mitsui O.S.K. Lines, Ltd.
(Next President, The Japan Shipowners’ Association)

Keynote Speaker Mr. Koichi Muto is Representative Director, Chairman of the Board, and Chairman Executive officer of Mitsui O.S.K. Lines, Ltd., responsible for supervising the management of the company to ensure sustainable growth and maximize long-term MOL Group corporate value. Mr. Muto is being mentioned as the next president of The Japan Shipowners’ Association.

Before assuming his current role in June 2015, he had served as the President of Mitsui O.S.K. Lines, Ltd. since June 2010. He was appointed a Member of the Board in June 2007. Prior to that, he was the General Manager of the Corporate Planning Division from January 2003.

Mr. Muto joined Mitsui O.S.K. Lines, Ltd in April 1976, and continued to serve in the Bulk carrier division until 2002. From 1994 to 1997, he had served Managing Director of Mitsui O.S.K. Lines (Deutschland) GmbH.

He has served as an outside director for Seibu Oil Company Limited since June 2015, Chair of the Committee on Transportation of KEIDANREN (Japan Business Federation) since June 2015.

A native of Nagoya, he graduated from Nagoya University in 1976.
IAME 25th Anniversary Session: Maritime Economics Revisited

Date: 28 June 10:20 - 12:00
Venue: Kokin Ballroom, 5th floor of Hotel Granvia Kyoto
Session Chair: Prof. Dr. Theo Notteboom (Emeritus President of IAME 2010-2014; Shanghai Maritime University, University of Antwerp and Ghent University)

Presentation 1. 25 Years of IAME
Dr. Jan Hoffmann
IAME President; UNCTAD, Geneva

Presentation 2. The Changing Facets of Maritime Economics
Prof. Dr. Trevor Heaver
IAME founding member, Emeritus President of IAME 1994-1998; Emeritus Professor, University of British Columbia, Canada

Presentation 3. In memoriam: The academic legacies of Richard Goss and Ross Robinson
On Richard Goss: Prof. Dr. Helen Thanopoulou
University of the Aegean, Greece
On Ross Robinson: Prof. Dr. Sophia Everett
IAME Secretary 2003-2013; Victoria University, Australia

Panel Discussion. On the past and future of maritime economics
Moderator: Prof. Dr. Theo Notteboom

Debate preceded by a short introduction by Dr. Okan Duru (Nanyang Technological University, Singapore) on “Schools of economic thought and research tracks in port economics and shipping market economics” as input for the discussion.

Panel Members:
- Prof. Dr. Paul Tae-Woo Lee
  IAME founding member and Council Member; RMIT University, Australia
- Dr. Thanos Pallis
  IAME Secretary; University of the Aegean, Greece
- Dr. Jasmine Lam
  IAME Council Member; Nanyang Technological University, Singapore
- Prof. Dr. Roar Ådland
  Norwegian School of Economics, Norway
- Prof. Dr. Masato Shinohara
  IAME 2017 Conference Chair; The University of Fukuchiyama and Kyoto University, Japan
<table>
<thead>
<tr>
<th>Day</th>
<th>Session</th>
<th>Time</th>
<th>Room-A Kaden</th>
<th>Room-B Tsurezure</th>
<th>Room-C Hojo</th>
<th>Room-D Shikibu</th>
<th>Room-E Senzai</th>
<th>Room-F Kikyo</th>
<th>Room-G Tachibana 1</th>
<th>Room-H Tachibana 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 1</td>
<td>Session 1</td>
<td>13:20-15:00</td>
<td>Cruise Shipping (1)</td>
<td>Tanker Shipping (1)</td>
<td>Port Investment and Finance</td>
<td>Trade and Maritime Shipping (1)</td>
<td>Maritime Human Resource and Safety (1)</td>
<td>Port Industry and Clusters</td>
<td>Marketing and Collaboration</td>
<td>Arctic Shipping</td>
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<tr>
<td></td>
<td>Session 2</td>
<td>15:20-17:00</td>
<td>Cruise Shipping (2) &amp; Marine Leisures</td>
<td>Tanker Shipping (2)</td>
<td>Port Policy and Governance (1)</td>
<td>Trade and Maritime Shipping (2)</td>
<td>Maritime Human Resource and Safety (2)</td>
<td>Maritime Network and Connectivity</td>
<td>Port Competition and Cooperation</td>
<td>RORO Shipping and Car Industry</td>
</tr>
<tr>
<td>Day 2</td>
<td>Session 3</td>
<td>09:00-10:40</td>
<td>Green Shipping (1)</td>
<td>Shipbuilding Industry / Bulk Shipping (1)</td>
<td>Port Policy and Governance (2) / Container Terminal (1)</td>
<td>Supply Chain Management (1)</td>
<td>Shipping Industry (1)</td>
<td>Maritime Industry and Clusters (1)</td>
<td>Competition and Cooperation by Game Theory</td>
<td>Shortsea Shipping</td>
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<tr>
<td></td>
<td>Session 4</td>
<td>11:00-12:20</td>
<td>Green Shipping (2)</td>
<td>Bulk Shipping (2)</td>
<td>Container Terminal (2)</td>
<td>Supply Chain Management (2)</td>
<td>Shipping Industry (2)</td>
<td>Maritime industry and clusters (2)</td>
<td>Maritime Geography</td>
<td>Inland waterway transport</td>
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<tr>
<td></td>
<td>Session 5</td>
<td>13:20-15:00</td>
<td>Green Shipping (3)</td>
<td>Freight Market (1)</td>
<td>Port Performance (1)</td>
<td>Maritime Supply Chain and Resilience</td>
<td>Shipping Industry (3)</td>
<td>Information and Digitization</td>
<td>Liner Shipping Industry</td>
<td>Intermodal Transport</td>
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<tr>
<td></td>
<td>Session 6</td>
<td>15:20-17:00</td>
<td>Green Port (1)</td>
<td>Freight Market (2)</td>
<td>Port Performance (2)</td>
<td>Maritime Risk Management</td>
<td>Containerization and Future Forecast</td>
<td>Ship Routing and Network Design</td>
<td>Dry Port</td>
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<tr>
<td>Day 3</td>
<td>Session 7</td>
<td>09:00-10:40</td>
<td>Green Port (2)</td>
<td>Freight Market (3)</td>
<td>Port Hinterland Planning and Strategies</td>
<td>Maritime Policy and Security</td>
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</tbody>
</table>

**Parallel Session Programme Overview (Rooms and Topics)**
Note: The strike-through on some presentations in this tentative program denotes that the presenter has not registered for the conference yet. The strike-through is removed as soon as the presenter makes a registration.
### Session 1 - A

**Room:** Kaden, Hotel Granvia Kyoto  
**Topic:** Cruise Shipping (1)  
**Chair:** Satta, Giovanni (University of Genoa)  

**Towards Sustainable Entrepreneurship: the cruise business case (P, ID.165)**  
*Stefanidaki, Evangelia (University of the Aegean, Greece)  
Lekakou, Maria (University of the Aegean, Greece)

**Cruise lines searching for legitimacy: Stakeholder relationship management and CSR reporting (P, ID.180)**  
*Satta, Giovanni (University of Genoa, Italy)  
Parola, Francesco (University of Genoa, Italy)  
Penco, Lara (University of Genoa, Italy)  
Persico, Luca (University of Genoa, Italy)

**Economic impacts and significance of the cruise ports in the United States (P, ID.72)**  
*Wang, Grace (Texas A&M University at Galveston, United States)  
Chang, Wen-Huei (U.S. Army Corps of Engineers, United States)  
Cui, Yue (Michigan State University, United States)

**Private Entry and Emerging Partnerships in Cruise Terminal Operations in the Med (P, ID.232)**  
*Athanasios A. Pallis (University of Aegean, Greece)  
Parola, Francesco (University of Genoa, Italy)  
Satta, Giovanni (University of Genoa, Italy)  
Notteboom, Theo (University of Antwerp, Belgium)

**Service Planning in Cruise Shipping with Berth Availability and Decreasing Marginal Profit (E, ID.288)**  
*Wang, Kai (The Hong Kong Polytechnic University, Hong Kong)  
Wang, Shuaian (The Hong Kong Polytechnic University, Hong Kong)  
Zhen, Lu (Shanghai University, China)

### Session 1 - B

**Room:** Tsurezure, Hotel Granvia Kyoto  
**Topic:** Tanker Shipping (1)  
**Chair:** TBD

**Valuing time in shipping markets (E, ID.189)**  
*Prakash, Vitho (University College London, United Kingdom)  
Smith, Tristan (University College London, United Kingdom)  
Ådland, Roar (Norwegian School of Economics, Norway)

**Insight into oil-tanker market behavior gained from AIS data (P, ID.103)**  
*Prochazka, Vit (Norwegian School of Economics, Norway)  
Ådland, Roar (Norwegian School of Economics, Norway)

**An AIS based Model of Short-Term VLCC Freight Rates (P, ID.190)**  
*Regi, Frederik (Copenhagen Business School, Denmark)  
Nomikos, Nikos (City University London, United Kingdom)

### Session 1 - C

**Room:** Hojo, Hotel Granvia Kyoto  
**Topic:** Port Investment and Finance  
**Chair:** TBD

**Vessel port dues: an influence from path dependency rather than geography of ports (P, ID.199)**  
*Lavissière, Alexandre (École de Management de Normandie, France)

**Port Funding Strategies in Sub-Saharan Africa, a valuation approach (P, ID.243)**  
*Ecsedy, Dávid (Transnet Port Terminals, South Africa)  
Mpiweli, Thando (Transnet Port Terminals, South Africa)

**PPP investments in transport infrastructures: a comparative analysis in developing countries (E, ID.322)**  
Farsetti, Marco (University of Naples Parthenope, Italy)  
Parola, Francesco (University of Genoa, Italy)  
Risitano, Marcello (University of Naples Parthenope, Italy)  
*Vidalutto, Roberto (University of Naples Parthenope, Italy)

**Optimal Concession Contracts for Landlord Port Authorities to Maximize Fee-Revenues with Minimal Throughput Requirements (E, ID.25)**  
Liu, Shi-Min (National Taipei University, Taiwan)  
*Chen, Hsiao-Chi (National Taipei University, Taiwan)  
Lin, Yen-Hung (National Taipei University, Taiwan)  
Han, Wenqing (Xi-An Jiaotong University, China)

**Optimal Concession Contracts for Landlord Port Authorities Pursuing Different Goals (E, ID.275)**  
*Liu, Shi-Min (National Taipei University, Taiwan)  
Chen, Hsiao-Chi (National Taipei University, Taiwan)  
Han, Wenqing (Xi-An Jiaotong University, China)

### Session 1 - D

**Room:** Shikibu, Hotel Granvia Kyoto  
**Topic:** Trade and Maritime Shipping (1)  
**Chair:** TBD

**The “broken link” between GDP, international Trade and Seaborne Transport demand: temporary break or setting trend? (P, ID.17)**  
Strandenes, Siri (Norwegian School of Economics, Norway)  
*Thanopoulou, Helen (University of the Aegean, Greece)

**On the relationship between port efficiency, transport costs, and trade in the developing world (E, ID.232)**  
*Serbrickly, Tomás (Inter-American Development Bank, United States)  
Herrera Dappe, Matias (World Bank, United States)  
*Suarez-Aleman, Ancor (Inter-American Development Bank, United States)  
Jooeste, Chari (World Bank, United States)

**Asymmetric Effects of Exchange Rate Changes on Maritime Trade Flows between Japan and the US (P, ID.82)**  
*Chi, Junwook (University of Hawaii, United States)

**Transport Connectivity and Trade Costs (P, ID.132)**  
*Helble, Matthias (Asian Development Bank Institute, Japan)  
Francisco, Kris (Asian Development Bank Institute, Japan)

**Estimating International Freight Flows and Transport Costs Based on Trade Statistics (P, ID.240)**  
*Kosaka, Hiroyuki (National Maritime Research Institute, Japan)  
Kashima, Shigeru (Chuo University, Japan)
**Session 1 - E**

**Room:** Senzai, Hotel Granvia Kyoto  
**Topic:** Maritime Human Resource and Safety (1)  
**Chair:** Shinozaka, Masato (The University of Fukuchiyama)

**Institutional Environment and the Seafaring Labor Market: The Brazilian Case** (P, ID.260)  
*Lobrigo, Enrico (Copenhagen Business School, Denmark)*

**Implications of the Maritime Labour Convention: The Chinese Perspective** (P, ID.262)  
*Tsai, Chrysa (University of the Aegean, Greece)*  
Theotokas, Ioannis (University of the Aegean, Greece)  
Lagoudis, Ioannis (University of the Aegean, Greece)

**Human Competence in Ship Operations: The Case of Japan** (E, ID.272)  
*Shinozaka, Masato (The University of Fukuchiyama, Japan)*

**Forced Labour and Risk Factors of Inferior Working Conditions in Thai Fishing Sector** (E, ID.313)  
Arimoto, Yutaka (Hitotsubashi University, Japan)  
Machikita, Tomohiro (JETRO, Japan)  
*Tsukubata, Kenmei (JETRO, Japan)*

**Achieving Philippine Maritime Success through Manning and Crewing Sector** (E, ID.312)  
*Dotong, Emmanuel (Lyceum of the Philippines University, Philippines)*

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**Session 1 - F**

**Room:** Kikyo, TKP in Kyoto Tower Hotel  
**Topic:** Port Industry and Clusters  
**Chair:** Song, Dong-Wook (World Maritime University)

**The Role of Port Cities in Circular Economies: Cases from Europe** (P, ID.29)  
*Ballini, Fabio (World Maritime University, Sweden)*  
*Song, Dong-Wook (World Maritime University, Sweden)*

**Competitive advantages in integrated port clusters: an empirical disillusion of the extended resource pool for the Antwerp seaport** (P, ID.151)  
*Langenus, Mychal (Vrije Universiteit Brussel, Belgium)*  
Haezendonck, Elvira (Vrije Universiteit Brussel, Belgium)

**The influence of different political-economic regimes on port clusters in transition** (P, ID.105)  
*Vrooijen, Jos (Erasmus University, Netherlands)*  
Geerlings, Harry (Erasmus University, Netherlands)  
Kuijpers, Bart (Erasmus University, Netherlands)

**Governance Structure and Corporate Performance: Evidence from Listed Port Companies in China** (P, ID.274)  
Li, Jian (Ocean University of China, China)  
*Xie, Jingci (Shandong University, China)*  
Li, Guanghui (Shandong University, China)

**Specialization level and operational efficiency of port: Comparative analysis between the Shandong province and the others of China** (P, ID.127)  
*Xie, Jingci (Shandong University, China)*  
Liang, Xiaohong (Shandong University, China)

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**Session 1 - G**

**Room:** Tachibana 1, TKP in Kyoto Tower Hotel  
**Topic:** Marketing and Collaboration  
**Chair:** Vanelslander, Thierry (University of Antwerp)

**Research on the Relationship Marketing for Seaports** (E, ID.197)  
*Chen, Shiu-Yu (National Taiwan Ocean University, Taiwan)*

**Cooperation between port authorities from a port user perspective: the case of the Flemish Port Area** (E, ID.283)  
*hintens, Joost (University of Antwerp, Belgium)*  
Vanelslander, Thierry (University of Antwerp, Belgium)

**The evolution of research collaboration in the port studies in maritime management** (E, ID.323)  
De Martino, Marcello (IRSS-CNR, Italy)  
*Koseoglu, Mehmet Ali (The Hong Kong Polytechnic University, Hong Kong)*

**Yildiz, Mehmet (Yildirim Beyazit University, Turkey)**  
Magnotti, Fabio (IRSS-CNR, Italy)

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**Session 1 - H**

**Room:** Tachibana 2, TKP in Kyoto Tower Hotel  
**Topic:** Arctic Shipping  
**Chair:** Furuichi, Masahiko (Kyoto University)

**Arctic shipping: A systematic literature review of maritime routing studies** (P, ID.294)  
*Theocharis, Dimitrios (Cardiff University, United Kingdom)*  
Pettit, Stephen (Cardiff University, United Kingdom)  
Rodrigues, Vasco Sanchez (Cardiff University, United Kingdom)  
Haider, Jane (Cardiff University, United Kingdom)

**Geopolitical Considerations of Shipping Operations in the Arctic: Mapping the Current State of Icebreakers and Identifying Future Needs** (P, ID.65)  
Drewniak, Megan (World Maritime University, Sweden)  
Dalakis, Dimitrios (World Maritime University, Sweden)  
*Kitada, Momoko (World Maritime University, Sweden)*  
*Ogier, Aykut (World Maritime University, Sweden)*  
Ballini, Fabio (World Maritime University, Sweden)

**The outlook for Ice-class preference and NSR attractiveness with regard of Global Warming and, seasonal climatic, technical and economic conditions** (P, ID.83)  
*Faury, Olivier (Ecole de management de Normandie, France)*  
Givry, Philippe (Kedge Business School, France)

**Container liner shipping service quality and value of freight travel time savings (VFTTS)** (E, ID.92)  
*Furuichi, Masahiko (Kyoto University, Japan)*  
Segi, Shunsuke (Kyoto University, Japan)  
Otsuka, Natsuhiko (Hokkaido University, Japan)

**NSR (Northern Sea Route) Shipping Monitoring by Satellite AIS** (E, ID.285)  
*Abe, Motohisa (National Institute for Land and Infrastructure Management, Japan)*  
Ishizawa, Junichiro (Japan Aerospace Exploration Agency, Japan)  
Shimizu, Shuji (Japan Aerospace Exploration Agency, Japan)
## Parallel Session 2 Programme (28 June, 15:20 - 17:00)

| Session 2 - A | Room: Kaden, Hotel Granvia Kyoto  
Topic: Cruise Shipping (2) & Marine Leisures  
Chair: TBD |
| --- | --- |
| A Vertical Integration Pricing Model on a Cruise Supply Chain (P, ID.71)  
*Wang, Grace (Texas A&M University at Galveston, United States)  
Zeng, Qingcheng (Dalian Maritime University, China)  
Attitude Modification of Attention, Consideration, and Action for Initial Use of Cruise Ship Tourism in Japan (E, ID.314)  
*Kawasaki, Tomoya (Tokyo Institute of Technology, Japan)  
Todoroki, Tomoyuki (Nihon University, Japan)  
Hyodo, Satoshi (Nihon University, Japan)  
Inokuchi, Kento (Nihon University, Japan)  
**Evaluating antecedents and consequences of cruiser experience to co-create value in marketing perspective (E, ID.301)  
*Sorrentino, Annarita (University of Naples Parthenope, Italy)  
Sorrentino, Annarita (University of Naples Parthenope, Italy)  
Quintano, Michele (ESADE Business School, Spain)  
AR Analysis of Demand Determinants and Economic Valuation of Marine Sports Using CVM (E, ID.297)  
*Jang, Da Hye (Korea Maritime and Ocean University, Korea)  
The Management of the Environmental Aspects and Reduction of Impacts in Recreational Ports and Marinas (P, ID.264)  
*Tselentis, Vassilis (University of Piraeus, Greece)  
Tzanatos, Ernestos (University of Piraeus, Greece)  
Paladin, Zdravko (University of Montenegro, Montenegro) |
| Session 2 - B | Room: Tsurezure, Hotel Granvia Kyoto  
Topic: Tanker Shipping (2)  
Chair: Åland, Roar (Norwegian School of Economics) |
| Does energy efficiency pay? A tanker spot market analysis (P, ID.30)  
*Åland, Roar (Norwegian School of Economics, Norway)  
Thomassen, Kristoffer (Norwegian School of Economics, Norway)  
Østensen, Erland (Norwegian School of Economics, Norway)  
Commercial Capabilities and Entrepreneurial Value Capturing in Dynamic Maritime Markets: The Case of North Sea Oil Service Companies (P, ID.215)  
*Sloek-Madsen, Stefan K. (Copenhagen Business School, Denmark)  
The Impact of Conditional Moments on Risk Management: The Case of the Tanker Freight Market (P, ID.177)  
Alizadeh, Amir (City University London, United Kingdom)  
Nomikos, Nikos (City University London, United Kingdom)  
*Van Dellen, Stefan (University of Westminster, United Kingdom)  
A New Ship Valuation Model Based on Spread Option Pricing Approach (P, ID.158)  
Åland, Roar (Norwegian School of Economics, Norway)  
Alizadeh, Amir (Cass Business School, United Kingdom)  
Fusai, Gianluca (Cass Business School, United Kingdom)  
Dependency and Extreme Co-movements across Major Product Shipping Freight Rates with Implications for Portfolio Diversifications: a copula-GARCH Approach (P, ID.291)  
*Bai, Xiwen (Nanyang Technological University, Singapore)  
Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore) |
| Session 2 - C | Room: Hojo, Hotel Granvia Kyoto  
Topic: Port Policy and Governance (1)  
Chair: TBD |
| A Review of Japan Port Policy - The case of Port of Kobe (Hanshin ports) in the competition with Port of Busan- (P, ID.19)  
*Yamamoto, Yutaka (University of Nagasaki, Japan)  
Discussing Port Governance Issues at the Regional Level: A Tale of Zhejiang Province in China (P, ID.32)  
*Zhuang, Peijun (Ningbo University, China)  
Song, Dong-Wook (World Maritime University, Sweden)  
Regulation of South Africa’s Ports: Dilemmas and Reforms (P, ID.106)  
*Gunedi, Sanele (University of KwaZulu-Natal, South Africa)  
Chasomeris, Mihalis (University of KwaZulu-Natal, South Africa)  
South Africa’s Port Doctrine: Dilemmas and The Way Forward (P, ID.201)  
*Meyiwa, Ayanda (University of KwaZulu-Natal, South Africa)  
Chasomeris, Mihalis (University of KwaZulu-Natal, South Africa) |
| Session 2 - D | Room: Shikibu, Hotel Granvia Kyoto  
Topic: Trade and Maritime Shipping (2)  
Chair: Luo, Meifeng (Hong Kong Polytechnic University) |
| Container shipping in a crisis context: Income distribution trends and impact on general cargo demand (P, ID.16)  
*Thanopoulou, Helen (University of the Aegean, Greece)  
Strandenes, Siri (Norwegian School of Economics, Norway)  
Maritime Shipping and Export Trade on “Maritime Silk Road” (E, ID.331)  
Li, Jian (Ocean University of China, China)  
*Jiang, Bao (Ocean University of China, China)  
Impact of exchange rate volatility and economic growth on Norway’s maritime export flow to European Union countries (P, ID.181)  
*Saeed, Naima (University of Agder, Norway)  
Spatial Computable General Equilibrium Model for Estimating Impact of Maritime Transportation Market Change (P, ID.258)  
Okamoto, Kosuke (Kobe University, Japan)  
*Ishiguro, Kazuhiko (Kobe University, Japan)  
A computable equilibrium model of international iron ore trade (E, ID.307)  
*Yang, Dong (Hong Kong Polytechnic University, Hong Kong)  
Zhang, Lingge (Hong Kong Polytechnic University, Hong Kong)  
Luo, Meifeng (Hong Kong Polytechnic University, Hong Kong)  
Liu, Xiaojia (Baltic and International Maritime Conference (BIMCO), Denmark) |

* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
| Session 2 - E | Room: Senzai, Hotel Granvia Kyoto  
Topic: Maritime Human Resource and Safety (2)  
Chair: Lu, Chin-Shan (The Hong Kong Polytechnic University) |
|---|---|
| Examining the moderating effects of supervisor’s safety commitment between safety marketing and safety behavior (P, ID.36)  
Lin, Chi-Chang (Feng Chia University, Taiwan)  
*Chang, Chia-Hsun (Chung-Ang University, Korea)  
Leader-member exchange, safety climate, and stevedores’ safety behaviors in container terminal operations (P, ID.51)  
*Lu, Chin-Shan (The Hong Kong Polytechnic University, Hong Kong)  
Does CEO’s Traits Matter? Evidence from Chinese Shipping Companies (P, ID.18)  
*Zheng, Shiyuan (Shanghai Maritime University, China)  
*Chen, Yang (Shanghai Maritime University, China)  
*Hu, Fangfang (Shanghai Maritime University, China)  
*Zhou, Peng (Shanghai Maritime University, China)  
The effects of leader-member exchange on employees’ organizational citizenship behaviors and job performance in container shipping firms (E, ID.296)  
*Weng, Hsiang Kai (Kyle) (The Hong Kong Polytechnic University, Hong Kong)  
*Lu, Chin-Shan (The Hong Kong Polytechnic University, Hong Kong)  
*Lai, Kee-Hung (Mike) (The Hong Kong Polytechnic University, Hong Kong)  
*Lun, Y.H. (Venus) (The Hong Kong Polytechnic University, Hong Kong)  
*Cheng, T.C. (Edwin) (The Hong Kong Polytechnic University, Hong Kong)  
*Wong, Christina (The Hong Kong Polytechnic University, Hong Kong)  
Towards a hybrid integration of women in the maritime sector: Gender and economy in the concept of maritime clusters (P, ID.38)  
*Kitada, Momoko (World Maritime University, Sweden)  
*Bhirugnath-Bhokhun, Meenaksi (The Association of Women Managers in the Maritime Sector in East and Southern Africa, Mauritius) |

| Session 2 - F | Room: Kikyo, TKP in Kyoto Tower Hotel  
Topic: Maritime Network and Connectivity  
Chair: TBD |
|---|---|
| China’s global shipping connectivity: internal and external dynamics in the contemporary era (1890-2016) (P, ID.45)  
*Ducruet, Cesar (French National Centre for Scientific Research, France)  
Wang, Liehui (East China Normal University, China)  
China’s international maritime network and “21st century maritime silk road” (P, ID.142)  
*Zhu, Yan (East China Normal University, China)  
Network Structure Analysis for International Maritime Container Transportation: From the Viewpoint of Complex Networks (P, ID.256)  
*Majima, Takahiro (National Maritime Research Institute, Japan)  
Connectivity analysis of Japanese ports in the context of One Belt One Road (P, ID.263)  
*Hu, Zhi-Hua (Shanghai Maritime University, China)  
*Liu, Chan-Juan (Shanghai Maritime University, China)  
*Lee, Paul Tae-Woo (RMIT University, Australia)  
Partition, Independence, and Maritime networks in South Asia from 1890 to 2000 (E, ID.310)  
*Ducruet, Cesar (Centre national de la recherche scientifique, France)  
*Tsibota, Kenmei (JETRO, Japan) |

| Session 2 - G | Room: Tachibana 1, TKP in Kyoto Tower Hotel  
Topic: Port Competition and Cooperation  
Chair: Ferrari, Claudio (University of Genoa) |
|---|---|
| Competitive Dynamics among Cross Regional Hub Ports for the Container Transshipments: Case Study for the Port of Colombo (P, ID.43)  
*Kaviratna, Chathumi (Tokyo Institute of Technology, Japan)  
Kawasaki, Tomoya (Tokyo Institute of Technology, Japan)  
Hanaoka, Shinya (Tokyo Institute of Technology, Japan)  
Matsuda, Takeshi (Takuma Maritime Center, Japan)  
A study on the Demand Characteristics and managerial performances of TOCs - case of Busan port (E, ID.306)  
*Lee, Da Ye (Korea Maritime and Ocean University, Korea)  
Oh, Yong Sik (Korea Maritime and Ocean University, Korea)  
Pricing Strategies for Multiple Port Competition and Cooperation (E, ID.318)  
*Liu, Qing (University of Hamburg, Germany)  
Xing, Wei (Qufu Normal University, China)  
Modelling ship emission control taxes and port privatization levels in port competition and co-operation sub-games (P, ID.221)  
*Cui, Han (University of Antwerp, Belgium)  
Notteboom, Theo (University of Antwerp, Belgium) |

| Session 2 - H | Room: Tachibana 2, TKP in Kyoto Tower Hotel  
Topic: RORO Shipping and Car Industry  
Chair: Itoh, Hidekazu (Kwansei Gakuin University) |
|---|---|
| A Cliometric Approach to Market Structure and Market Conduct in the Car Carrier Industry (E, ID.325)  
*Schröm, Hans-Joachim (Wirtschaftsuniversität Wien, Austria)  
Enhancing the role of coastal shipping in finished vehicle distribution - a viability study (P, ID.7)  
*Chandra, Saurabh (Indian Institute of Management Indore, India)  
Fagerholt, Kjetil (Norwegian University of Science and Technology, Norway)  
Christiansen, Marielle (Norwegian University of Science and Technology, Norway)  
On the relevance of maritime transport for medium-distance deliveries of auto-parts from suppliers to car manufacturers in Japan: perspectives and challenges (P, ID.191)  
*Itoh, Hidekazu (Kwansei Gakuin University, Japan)  
*Guerrero, David (Université Paris Est, France)  
Slow Steaming and Competitiveness of European Short Sea RoRo Shipping (P, ID.117)  
*Raza, Zeeshan (University of Gothenburg, Sweden)  
*Finnsjörd, Christian (SSPA, Sweden)  
*Woxienius, Johan (University of Gothenburg, Sweden)  
Operational measures to mitigate and reverse the potential modal shifts due to environmental legislation (P, ID.33)  
*Zis, Thalis (Technical University of Denmark, Denmark)  
Psarafitis, Harilaos (Technical University of Denmark, Denmark) |
### Parallel Session 3 Programme (29 June, 9:00 - 10:40)

#### Session 3 - A
**Room:** Kaden, Hotel Granvia Kyoto  
**Topic:** Green Shipping (1)  
**Chair:** TBD

**A structured review of green shipping research (1987-2016) (P, ID.81)**  
Li, Kevin (Chung-Ang University, Korea)  
*Xiao, Yi (Chung-Ang University, Korea)*  
Shi, Wenming (University of Tasmania, Australia)

**Environmental sustainability, corporate reputation and organizational performance: An empirical study of container shipping companies (P, ID.149)**  
Pang, Kelvin (The Hong Kong Polytechnic University, Hong Kong)  
Lu, Chin-shan (The Hong Kong Polytechnic University, Hong Kong)  
Shang, Kuo-Chung (National Taiwan Ocean University, Taiwan)  
*Weng, Hsiang-kai (The Hong Kong Polytechnic University, Hong Kong)*

**Evaluating Firm Performance and Environmental Efficiency for Major Shipping Companies (E, ID.298)**  
Gong, Xiaoxing (Dalian Maritime University, China)  
*Luo, Meifeng (The Hong Kong Polytechnic University, Hong Kong)*

**Green innovation and organizational performance: The moderating role of environmental uncertainty (E, ID.299)**  
*Ng, Michael (The Hong Kong Polytechnic University, Hong Kong)*  
Lun, Y.H. Venus (The Hong Kong Polytechnic University, Hong Kong)  
Lai, Kee-hung (The Hong Kong Polytechnic University, Hong Kong)  
Cheng, T.C. Edwin (The Hong Kong Polytechnic University, Hong Kong)  
Wong, Christina WY. (The Hong Kong Polytechnic University, Hong Kong)

**Trends of CO2 emissions in China-oriented international marine transportation and policy implications (E, ID.276)**  
*Ma, Xuefei (Dalian Maritime University, China)*  
Yang, Hualong (Dalian Maritime University, China)

#### Session 3 - B
**Room:** Tsurezure, Hotel Granvia Kyoto  
**Topic:** Shipbuilding Industry / Bulk Shipping (1)  
**Chair:** TBD

**Comparing the Productivity of Major Shipyards Between China and South Korea: An Application of a Metafrontier Framework (P, ID.46)**  
*Chao, Shih-Liang (National Taiwan Ocean University, Taiwan)*  
Yeh, Yi-Hung (National Taiwan Ocean University, Taiwan)

**Shipbuilding and business cycles: a (non-linear) econometric model of asymmetric transmissions (P, ID.203)**  
Ferrari, Claudio (University of Genoa, Italy)  
Marchese, Malvina (University of Genoa, Italy)  
*Tei, Alessio (Newcastle University, Newcastle upon Tyne, United Kingdom)*

**A comparison of sector-level differences in bulk shipping: an angle from freight-shipbuilding market relationships (E, ID.137)**  
*Yao, Qian (Shanghai Jiao Tong University, China)*  
Kou, Ying (Shanghai Jiao Tong University, China)

**Relationship between charter rates and cargo/fleet ratio in recent drybulk markets (E, ID.300)**  
*Hayashi, Kochiro (NYK Line, Japan)*

#### Session 3 - C
**Room:** Hojo, Hotel Granvia Kyoto  
**Topic:** Port Policy and Governance (2) / Container Terminal (1)  
**Chair:** TBD

**A Study Case of Costa Rican Limon-Moin Port: Prospective Impact of a Concession Reform (P, ID.133)**  
*Leon, Israel, Andrea (Chung-Ang University, Korea)*

**Berth Allocation - Do we have it all wrong? (E, ID.329)**  
*Voss, Stefan (University of Hamburg, Germany)*

**Capacity Planning via Simulation for Large-scale Container Terminals (P, ID.58)**  
Yu, Young Bin (National University of Singapore, Singapore)  
*Lee, Byung Kwon (National University of Singapore, Singapore)*  
Chi, Hongtao (National University of Singapore, Singapore)  
Lee, Loo Hay (National University of Singapore, Singapore)  
Chew, Ek Peng (National University of Singapore, Singapore)

#### Session 3 - D
**Room:** Shikibu, Hotel Granvia Kyoto  
**Topic:** Supply Chain Management (1)  
**Chair:** TBD

**Innovative Solutions to Enhance Customer Value in Third Party Logistics (P, ID.133)**  
*Li, Qingyao (Nanyang Technological University, Singapore)*  
Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)  
Zhang, Xiunian (Nanyang Technological University, Singapore)

**Built to Last? Ocean Transportation Intermediaries and the Trans-Pacific Trade: Disintermediation and Reintermediation (P, ID.77)**  
*Clott, Christopher (SUNY Maritime, United States)*  
Hartman, Bruce (California Maritime Academy, United States)

**An exploration of relationship structures, their integration and value in maritime logistics networks (P, ID.53)**  
*Lin, Moses, Shang-Min (Ministry of Transportation and Communications, Taiwan)*  
Potter, Andrew T (Cardiff University, United Kingdom)

**Integration of maritime supply chains: the effect of innovative ICT solutions (E, ID.224)**  
*Sys, Christa (University of Antwerp, Belgium)*  
Carlan, Valentin (University of Antwerp, Belgium)  
Van de Voorde, Eddy (University of Antwerp, Belgium)  
Vaneislander, Thierry (University of Antwerp, Belgium)

**Building Efficient Online Shipping Two-sided Market: Experience from China (2013-2016) (P, ID.52)**  
*Chen, Yang (Shanghai Maritime University, China)*  
Zhang, Qiang (Shanghai Maritime University, China)  
Chen, Shun (Shanghai Maritime University, China)

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* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
### Session 3 - E
**Room:** Senzai, Hotel Granvia Kyoto  
**Topic:** Shipping Industry (1)  
**Chair:** TBD

**Does the shipping industry interact with its stakeholders? A dialogue on Corporate Responsibility in Shipping (P, ID.167)**  
*Tezuka, Koichiro (Nihon University, Japan)*  
*Hashimoto, Satoru (Teikyo University, Japan)*  
*Larsen, Odd I. (Molde University College, Norway)*  
*Saeed, Naima (University of Agder, Norway)*  
*Munim, Ziaul Haque, (University of Agder, Norway)*  

A state-of-the-art framework for analysing and promoting innovation in the maritime industry in non-metropolitan regions (P, ID.60)  
*Djoumessi Mouafo, Armand (University of Tasmania, Australia)*  
*Chen, Peggy Shu-Ling (University of Tasmania, Australia)*  
*Cahoon, Stephen (University of Tasmania, Australia)*  

A policy analysis of Shanghai maritime cluster development (P, ID.143)  
*Yu, Jun (Shanghai Maritime University, China)*  
*Guangqian Yuan (University of Shanghai, China)*  
*Yahalom, Shmuel (Sam) (State University of New York, United States)*  

Spatial Concentration and Regional Specialization of Maritime Manufacturing Industry in Japan (P, ID.183)  
*Doma, Koji (Kobe University, Japan)*  
*Matsumoto, Hidenobu (Kobe University, Japan)*  

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### Session 3 - G
**Room:** Tachibana 1, TKP in Kyoto Tower Hotel  
**Topic:** Competition and Cooperation by Game Theory  
**Chair:** Segi, Shunsuke (Kyoto University)

**'Tool port' to 'landlord port': A game theory approach to analyse gains from governance model transformation (P, ID.70)**  
*Munim, Ziaul Haque, (University of Agder, Norway)*  
*Saeed, Naima (University of Agder, Norway)*  
*Larsen, Odd I. (Molde University College, Norway)*  

A game theoretical approach to the effects of private objective orientation and service differentiation on port authorities' willingness to cooperate (P, ID.95)  
*Cui, Han (University of Antwerp, Belgium)*  
*Notteboom, Theo (University of Antwerp, Belgium)*  

**Application of game theory and uncertainty theory in the competition among container terminals in Northeast Vietnam (E, ID.281)**  
*Nguyen, Duc Minh (Mokpo National Maritime University, Korea)*  
*Kim, Sung-June (Mokpo National Maritime University, Korea)*  

**Pricing based on revenue sharing mechanism for mainline-feeder vertical cooperation in liner shipping (E, ID.147)**  
*Zhang, Qian (Beijing Technology and Business University, China)*  

**The effect of integration of container shipping business: Game theoretic analysis (E, ID.319)**  
*Yonezaki, Katsuhiro (Institute of Transportation Economics, Japan)*  
*Matsuzaki, Akeoshi (Institute of Transportation Economics, Japan)*  
*Tezuka, Koichiro (Nihon University, Japan)*  

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### Session 3 - F
**Room:** Kikyo, TKP in Kyoto Tower Hotel  
**Topic:** Maritime Industry and Clusters (1)  
**Chair:** TBD

**International Shipping Center: Trust as the Critical Test of Dispute Resolution (P, ID.179)**  
*Yahalom, Shmuel (State University of New York, United States)*  
*Guangqian Yuan (University of Shanghai, China)*  

**Strategic maritime management: redefining maritime cluster typologies through measures of association (P, ID.48)**  
*Kolloucis, Yannis (University of Piraeus, Greece)*  
*Stavroulakis, Peter J (University of Piraeus, Greece)*  
*Papadimitriou, Stavros (University of Piraeus, Greece)*  

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### Session 3 - H
**Room:** Tachibana 2, TKP in Kyoto Tower Hotel  
**Topic:** Shortsea Shipping  
**Chair:** TBD

**Motorways of the Sea competitiveness. Optimal pricing and potential subsidising initiatives. (E, ID.327)**  
*Morales-Fusco, Pau (CENIT - Centre d’Innovació del Transport, Spain)*  
*Saurí, Sergi (CENIT - Centre d’Innovació del Transport, Spain)*  

**Bunker levy schemes and their impact on the competitiveness of short sea shipping (P, ID.161)**  
*Kosmas, Vasileios (Kühne Logistics University, Germany)*  
*Acciaro, Michele (Kühne Logistics University, Germany)*  

**Influence on the competitiveness of the intermodal chains of the possible technical solutions for short sea shipping fleets by operating in ECA zones (P, ID.5)**  
*Martínez-López, Alba (University of Las Palmas de Gran Canaria, Spain)*  
*Chica González, Manuel (University of Las Palmas de Gran Canaria, Spain)*  
*Trujillo Castellano, Lourdes (University of Las Palmas de Gran Canaria, Spain)*  

**An economic analysis of the costal shipping market in Japan (E, ID.303)**  
*Hashimoto, Satoru (Teikyo University, Japan)*  
*Tezuka, Koichiro (Nihon University, Japan)*  

**Applying QFD to assess quality of short sea shipping: An Empirical Study on Cross-Strait high speed ferry service between Taiwan and Mainland China (P, ID.141)**  
*Huang, Sheng Teng (National Taiwan Ocean University, Taiwan)*  
*Shang, Kuo Chung (National Taiwan Ocean University, Taiwan)*  
*Su, Chien Min (National Taiwan Ocean University, Taiwan)*  
*Chang, Ki Yin (National Taiwan Ocean University, Taiwan)*  
*Tseng, Yi Ting (National Taiwan Ocean University, Taiwan)*  
*
### Session 4 - A
**Room:** Kaden, Hotel Granvia Kyoto  
**Topic:** Green Shipping (2)  
**Chair:** Psaraftis, Harilaos (Technical University of Denmark)

**Energy efficiency with the application of virtual arrival policy (P, ID.166)**  
*Jia, Haiying (Norwegian School of Economics, Norway)  
Ådland, Roar (Norwegian School of Economics, Norway)  
Prakash, Vishnu (University College London, United Kingdom)

**The internalisation of short-term marginal external costs of sea transport (E, ID.280)**  
*Vierth, Inge (Swedish National Road and Transport Research Institute, Sweden)

**Do energy audits help shipping companies implement energy efficiency measures? A case study (E, ID.148)**  
*von Knorring, Hannes (University of Gothenburg, Sweden)

**Decarbonization of international shipping: at a crossroads with uncertain outcome (P, ID.114)**  
*Psaraftis, Harilaos (Technical University of Denmark, Denmark)

### Session 4 - B
**Room:** Tsurezure, Hotel Granvia Kyoto  
**Topic:** Bulk Shipping (2)  
**Chair:** TBD

**Dry Bulk Tramp Shipping: Insights on world and Brazilian market (E, ID.40)**  
*Robles, Leo Tadeu (Federal University of Maranhao, Brazil)  
Paixao Casaca, Ana Cristina (Federal University of Maranhao, Brazil)  
Bomer Galvao, Cassia (Catholic University of Sao Paulo, Brazil)  
Sampaio Cutrim, Sergio (Federal University of Maranhao, Brazil)  
Cardoso Guerise, Luciana (Federal University of Maranhao, Brazil)

**Ship Scheduling in Tramp Shipping Based on Choice Behaviors of Shippers and the Spatial/Temporal Transport Demand (P, ID.87)**  
*Chen, Dongxu (Dalian Maritime University, China)  
Li, Xiang (Dalian Maritime University, China)  
Chen, Kang (Dalian Maritime University, China)  
Yang, Zhongzhen (Dalian Maritime University, China)

**Testing for the Burst of Bubbles in Dry Bulk Shipping Market Using Log Periodic Power Law Model (P, ID.49)**  
*Chen, Shun (Shanghai Maritime University, China)  
Zheng, Shiyuan (Shanghai Maritime University, China)  
Chen, Yang (Shanghai Maritime University, China)

**The Formation of FFA Rates in Dry Bulk Shipping: Risk Premia and Heterogeneous Expectations (P, ID.111)**  
*Moutzouris, Ioannis (City University London, United Kingdom)  
Namikita, Nikos (City University London, United Kingdom)

### Session 4 - C
**Room:** Hojo, Hotel Granvia Kyoto  
**Topic:** Container Terminal (2)  
**Chair:** TBD

**Critical Factors Affecting Yard Planning in Seaport Container Terminals (E, ID.23)**  
*Bandara, Yapa Mahinda (University of Moratuwa, Sri Lanka)  
Nguyen, Hong-Oanh (University of Tasmania, Australia)  
Perera, Chamara D (University of Moratuwa, Sri Lanka)

**Analysis of Container Terminal Yard Truck and Yard Allocation Operations Strategies (E, ID.205)**  
*Chaulan, Tubagus Ahmad Chair (Universitas Indonesia, Indonesia)  
Hidayatno, Akhmad (Universitas Indonesia, Indonesia)

**Containership Bay Time and Crane Productivity: Are They On the Path of Convergence? (P, ID.178)**  
*Yahalom, Shmuel (State University of New York, United States)  
Guan, Changquin (United States Merchant Marine Academy, United States)

**Smart and green cargo handling equipment for next generation ports (P, ID.182)**  
*Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)  
Tripathi, Anshuman (Nanyang Technological University, Singapore)  
Athlekar, Satyajit (Nanyang Technological University, Singapore)  
Du, Jian (Nanyang Technological University, Singapore, Singapore)

### Session 4 - D
**Room:** Shikibu, Hotel Granvia Kyoto  
**Topic:** Supply Chain Management (2)  
**Chair:** TBD

**When, Why and How to Use Exploratory Factor Analysis in Research (P, ID.59)**  
*Maskey, Reenu (University of Tasmania, Australia)  
Fei, Dr. Jiangang (University of Tasmania, Australia)  
Nguyen, Dr. Hong-Oanh (University of Tasmania, Australia)

**An evaluation of intrafirm resource and interfirm relationship on logistics service capabilities and performance (P, ID.79)**  
*Yang, Chun-Shan (Chang Jung Christian University, Taiwan)  
Liu, Taih-Cheng (National Taiwan Ocean University, Taiwan)

**The Values of Collaborative Transportation Management in Taiwan’s Manufacturing Industry: The Moderating Effect of Guanxi (P, ID.126)**  
*Yang, Chia-Chiao (National Kaohsiung Marine University, Taiwan)  
Kao, Jui-Chung (National Kaohsiung Marine University, Taiwan)  
Yueh, Meng-Hsin (National Kaohsiung Marine University, Taiwan)

**Who canvasses for cargos? Incentive analysis and channel structure in a shipping supply chain (E, ID.272)**  
*Wang, Fan (Sun Yat-sen University, China)

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* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
### Session 4 - E
Room: Senzai, Hotel Granvia Kyoto  
Topic: Shipping Industry (2)  
Chair: TBD

**Investigation into diversification effects of the ship investment fund in Korea (P, ID.209)**  
Lee, Jae-Boong (Chung-Ang University, Korea)  
*Woo, Su-Han (Department of International Logistics, Korea)*

**Cash Holdings in the Shipping Industry (P, ID.55)**  
Ahrends, Meike (Hamburg University, Germany)  
*Drobetz, Wolfgang (Hamburg University, Germany)*  
Nomikos, Nikos (Cass Business School, United Kingdom)

**Buyer and seller effect on individual second hand ship price (P, ID.31)**  
*Peng, Wen Hao (The Hong Kong Polytechnic University, Hong Kong)*  
Ådland, Roar (Norwegian School of Economics, Norway)  
Yip, Tsz Leung (The Hong Kong Polytechnic University, Hong Kong)

**Value drivers and M&A activity in the European ro-pax and ferry market: Asset pricing and target firm valuation (E, ID.332)**  
Satta, Giovanni (University of Genoa, Italy)  
*Parola, Francesco (University of Genoa, Italy)*  
Barbieri, Enrico (EY S.p.A., Italy)  
Duci, Gian Enzo (University of Genoa, Italy)

### Session 4 - F
Room: Kikyo, TKP in Kyoto Tower Hotel  
Topic: Maritime Industry and Clusters (2)  
Chair: TBD

**Unveiling configurations of shipping clusters: Challenges and Opportunities in the case of Piraeus (P, ID.222)**  
*Vaggelas, George (University of the Aegean, Greece)*  
Pallis, Athanasios (Thanos) (University of the Aegean, Greece)

**The Impact of the Panama Canal Interoceanic Region New Development on the Economy of Panama (P, ID.211)**  
*Pagano, Anthony M. (University of Illinois at Chicago, United States)*  
Sanchez, Onesimo V. (Panama Canal Authority, Panama)  
Lachman, Ruben (INTRACORP, Panama)

**The Compilation of the East Asia International Logistics Database (E, ID.287)**  
*Fukasaku, Kazuhisa (Japan Transport Research Institute, Japan)*

### Session 4 - G
Room: Tachibana 1, TKP in Kyoto Tower Hotel  
Topic: Maritime Geography  
Chair: TBD

**Does maritime transport reinforce or alleviate the economic inequalities between regions? The case of the coastal regions of the European Union (P, ID.144)**  
*Guerrero, David (Université Paris Est, France)*  
Pais-Montes, Carlos (University of A Coruña, Spain)  
Freire-Seoane, Maria-Jesus (University of A Coruña, Spain)  
Gonzalez-Laxe, Fernando (University of A Coruña, Spain)

**Does competitive investment cause inefficiency in European container ports? (P, ID.112)**  
*Merkel, Axel (Molde University College, Norway)*

**Port system evolution – the emergence of second-tier hubs (P, ID.63)**  
*Monios, Jason (Edinburgh Napier University, United Kingdom)*  
Wilmsmeier, Gordon (Universidad Los Andes, Colombia)  
Ng, Adolff (University of Manitoba, Canada)

**Peripheral in Ports: A Literature Review on Concentration – Deconcentration Factors (P, ID.293)**  
*Wiradanti, Bahana (Cardiff University, United Kingdom)*  
Pettit, Stephen (Cardiff University, United Kingdom)  
Potter, Andrew (Cardiff University, United Kingdom)  
Abouarghoub, Wessam (Cardiff University, United Kingdom)  
Beresford, Anthony (Cardiff University, United Kingdom)

### Session 4 - H
Room: Tachibana 2, TKP in Kyoto Tower Hotel  
Topic: Inland Waterway Transport  
Chair: TBD

**Inland waterways in South America - policies, regional integration and classification challenges (E, ID.237)**  
*Wilmsmeier, Gordon (Universidad Los Andes, Colombia)*  
Jaimurzina, Azhar (UN-ECLAC, Chile)

**The Evolution of Mid-Stream Operation in Hong Kong (P, ID.146)**  
*Lau, Yui-yip (The Hong Kong Polytechnic University, Hong Kong)*  
K.Y. Ng, Adolff (University of Manitoba, Canada)

**Price elasticities and logit model coefficients to predict modal shares of transport by water (P, ID.54)**  
*Veldman, Simme (Ecorys Nederland BV, Netherlands)*  
van Balen, Mitchell (Ecorys Nederland BV, Netherlands)  
Gille, Johan (Ecorys Nederland BV, Netherlands)
### Parallel Session 5 Programme (29 June, 13:20 - 15:00)

#### Session 5 - A
- **Room:** Kaden, Hotel Granvia Kyoto
- **Topic:** Green Shipping (3)
- **Chair:** Acciaro, Michele (Kühne Logistics University)

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<td>*Lendelj, Emeric (University Paris 1 Panthéon-Sorbonne, France)</td>
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<td>Alternative fuels for shipping: optimising fleet composition under</td>
<td>*Acciaro, Michele (Kühne Logistics University, Germany)</td>
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<td>Liquidified Natural Gas (LNG) as a Marine Fuel: Optimising the</td>
<td>Dalakis, Dimitrios (World Maritime University, Sweden)</td>
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<td>*Öçer, Aykü (World Maritime University, Sweden)</td>
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<td>*Ballini, Fabio (World Maritime University, Sweden)</td>
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<td>Madjidian, Josefín (World Maritime University, Sweden)</td>
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<td>Green Liner Shipping Network Design: A Bi-Objective Non-Linear TSP</td>
<td>Cariou, Pierre (Kedge Business School, France)</td>
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<td>Larbi, Rim (University of Sharjah, United Arab Emirates)</td>
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<td>A Network-based Approach to reduce Pollution in Empty Container</td>
<td>*Schulte, Frederik (University of Hamburg, Germany)</td>
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<td>Voß, Stefan (University of Hamburg, Germany)</td>
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#### Session 5 - B
- **Room:** Tsurezure, Hotel Granvia Kyoto
- **Topic:** Freight Market (1)
- **Chair:** TBD

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<td>*Nomikos, Nikos (City University London, United Kingdom)</td>
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<td>Abouaourghoub, Wessam (Cardiff Business School, United Kingdom)</td>
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<td>*Alizadeh, Amir (City University London, United Kingdom)</td>
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<td>Are There Bubbles in Baltic Dry Index?</td>
<td>*Su, Chia Wei (Ocean University of China, China)</td>
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<td>The Risk Management Function of Freight Derivatives Revisited: The</td>
<td>*Visvikis, Ilia (World Maritime University, Sweden)</td>
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<td>Case of Different Vessel Sectors</td>
<td>Sahoo, Satya Ranjan (University of Reading, United Kingdom)</td>
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<td>Time-varying basis risk in the hedging time-charter rates with FFA</td>
<td>Alizadeh, Amir (City University London, United Kingdom)</td>
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#### Session 5 - C
- **Room:** Hojo, Hotel Granvia Kyoto
- **Topic:** Port Performance (1)
- **Chair:** Tei, Alessio (Newcastle University)

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<td>Measuring the missing link in port performance evaluation: Port</td>
<td>*Vaggelas, George (University of the Aegean, Greece)</td>
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<td>Ghiai, Hilda (University of Genoa, Italy)</td>
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<td>*Scheuring, Florian Guenter (Heriot-Watt University, United Kingdom)</td>
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#### Session 5 - D
- **Room:** Shikibu, Hotel Granvia Kyoto
- **Topic:** Maritime Supply Chain and Resilience
- **Chair:** Dooms, Michael (Vrije Universiteit Brussel)

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<td>*Wang, Ping (Texas A&amp;M University at Galveston, United States)</td>
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<td>Mileski, Joan (Texas A&amp;M University at Galveston, United States)</td>
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<td>Service recovery and customer satisfaction in container liner shipping</td>
<td>*Hirata, Enna (Kobe University, Japan)</td>
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<td>How Risk Management Fails To Protect Maritime Supply Chains</td>
<td>*Dyer, Jack (University of Tasmania, Australia)</td>
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<td>*Chethan, Malav (University College London, United Kingdom)</td>
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<td>*Mawdsley, Robert (University College London, United Kingdom)</td>
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<td>Resilience in seaports, a conceptual approach (P, ID.227)</td>
<td>*Vonck, Indra (Deloitte Netherlands, Global Port Services, Netherlands)</td>
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<td>Notteboom, Theo (Ghent University, Belgium)</td>
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<td>Dooms, Michael (Vrije Universiteit Brussel, Belgium)</td>
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* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
**Session 5 - E**  
Room: Senzai, Hotel Granvia Kyoto  
Topic: Shipping Industry (3)  
Chair: TBD

**Risk alarming index for the shipping market (P, ID.14)**  
*Shi, Wenming (University of Tasmania, Australia)  
Li, Kevin (Chung-Ang University, Korea)

**Tail risk in shipping portfolios (E, ID.325)**  
Papapostolou, Nikos (City University London, United Kingdom)  
Kyiakou, Ioannis (City University London, United Kingdom)  
Visvikis Ilia (World Maritime University, Sweden)

**A cause of oversupply and failure in the shipping market: Measuring hardening behavior effects (P, ID.42)**  
*Lee, Taylor Tae Hwee (Pai Chai University, Korea)  
Yip, Tsz Leung (The Hong Kong Polytechnic University, Hong Kong)

**Bunker hedging with maximum loss control by buffered probability of exceedance and conditional value-at-risk (P, ID.217)**  
*Liu, Hailong (Shanghai Jiaotong University, China)

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**Session 5 - F**  
Room: Kikyo, TKP in Kyoto Tower Hotel  
Topic: Information and Digitization  
Chair: TBD

**What impede big data analytics adoption in the maritime industry? A fuzzy Delphi-AHP-TOPSIS framework for barrier identification (P, ID.134)**  
*Zhang, Xiunian (Nanyang Technological University, Singapore)  
Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)

**Shipping 4.0: Technology Stack and Digital Innovation Challenges (P, ID.155)**  
*Shibasaki, Ryuichi (The University of Tokyo, Japan)  
Ota, Masaharu (Osaka City University, Osaka, Japan)

**Smart Maritime Region Design (E, ID.330)**  
*Dovbischuk, Irina (University of Bremen, Germany)  
Haasis, Hans-Dietrich (University of Bremen, Germany)

**On introducing electronic information systems for port administrative procedures in developing countries (P, ID.257)**  
*Iida, Junya (National Institute for Land and Infrastructure Management, Japan)  
Shishido, Tatsuyuki (The Overseas Coastal Area Development Institute of Japan, Japan)  
Shibasaki, Ryuichi (The University of Tokyo, Japan)

**About claims and realities of digitalization in current maritime transportation chains (P, ID.228)**  
*Schramm, Hans-Joachim (WU Wirtschaftsuniversität Wien, Austria)  
Prockl, Günter (CBS Copenhagen Business School, Denmark)  
*Kolar, Petr (University of Economics, Prague, Czech Republic)

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**Session 5 - G**  
Room: Tachibana 1, TKP in Kyoto Tower Hotel  
Topic: Liner Shipping Industry  
Chair: TBD

**The liner shipping industry: looking beyond firms - markets structure, competition and concentration (P, ID.229)**  
*Gonzalez-Aregall, Marta (University of Gothenburg, Sweden)  
Spengler, Thomas (Hochschule Bremen, Germany)  
Wilmsmeier, Gordon (Universidad de Los Andes, Colombia)

**Challenges and opportunities for secondary ports in a context of crisis of the liner industry: The case of Le Havre, France (E, ID.251)**  
*Toutain, Lena (Université Paris Est, France)  
Guerrero, David (Université Paris Est, France)

**The relationship between port choice and terminal involvement of alliance members in container shipping (P, ID.216)**  
*Netteboom, Theo (Shanghai Maritime University, China)  
Parola, Francesco (University of Genoa, Italy)  
Satta, Giovanni (University of Genoa, Italy)  
Pallis, Thanos (University of the Aegean, Greece)

**Port Congestion and Economies of Scale: The Large Containerships Factor (P, ID.131)**  
*Guarn, Changqian (U.S. Merchant Marine Academy, United States)  
Yahalom, Shmuel (Sam) (State University of New York Maritime College, United States)  
Yu, Jun (Daniel) (Shanghai Maritime University, China)

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**Session 5 - H**  
Room: Tachibana 2, TKP in Kyoto Tower Hotel  
Topic: Intermodal Transport  
Chair: Shibasaki, Ryuichi (The University of Tokyo, University of Tokyo, University of Tokyo)

**Feasibility of the intermodal chains articulated through MOs in Chile (P, ID.6)**  
*Martinez-Lopez, Alba (University of Las Palmas de Gran Canaria, Spain)  
Camaño Sobrino, Pilar (NATO Science and Technology Organization, Italy)  
Trujillo Castellano, Lourdes (University of Las Palmas de Gran Canaria, Spain)  
Chica Gonzalez, Manuel (University of Las Palmas de Gran Canaria, Spain)

**Port choice of West African container ports (E, ID.286)**  
*Veldman, Simme (ECORYS Nederland BV, Netherlands)  
leeuwenburgh, sophie (ECORYS Nederland BV, Netherlands)

**Gateway Seaport Competition of Central Asian Container Cargo across the Eurasian Continent: Modelling and Policy Simulation (E, ID.334)**  
*Shibasaki, Ryuichi (The University of Tokyo, Japan)  
Tanabe, Satoshi (PADECO Co., Ltd., Japan)  
Kato, Hironori (the University of Tokyo, Japan)

**Cost Saving Potential of Upstream Buyer Consolidation and Downstream Intermodal Rail-based Solutions in the China-Europe Container Trades (P, ID.24)**  
*Lin, Ning (Molde University College, Norway)  
Hjelle, Harald (Molde University College, Norway)  
Bergqvist, Rickard (University of Gothenburg, Sweden)
### Parallel Session 6 Programme (29 June, 15:20 - 17:00)

#### Session 6 - A
**Room:** Kaden, Hotel Granvia Kyoto  
**Topic:** Green Port (1)  
**Chair:** TBD  

*The Hotelling Challenge: Finance Meets Environmental Quality (E, ID.316)*  
*Kang, Hyowon (Chung-Ang University, Korea)*  
Sustainability reporting by port authorities: a comparative analysis of leading world ports (E, ID.317)  
*Geerts, Magali (Vrije Universiteit Brussel, Belgium)*  
*Dooms, Michael (Vrije Universiteit Brussel, Belgium)*  

**Optimal Maintenance Strategies for Developing Sustainable Port Infrastructures (E, ID.273)**  
*Zhang, Yi (Kyoto University, Japan)*  
*Kim, Chul-Woo (Kyoto University, Japan)*  
*Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)*  

**Sustainable performance and benchmarking in container terminals (P, ID.238)**  
*Spengler, Thomas (Hochschule Bremen, Germany)*  
*Wilmsmeier, Gordon (Hochschule Bremen, Germany)*  

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#### Session 6 - B
**Room:** Tsurezure, Hotel Granvia Kyoto  
**Topic:** Freight Market (2)  
**Chair:** TBD  

*The Optimization of Different Interval Sizes in Discretised data to Determine Future Freight Rates (P, ID.135)*  
*Ware, Thompson (Texas A&M University at Galveston, United States)*  
*Galvao, Cassia (Pontificia Universidade Catolica de Sao Paulo - PUC/SP, Brazil)*  

**Technical Analytics and Freight Rate Forecasting (P, ID.118)**  
*Mileski, Ioan (Texas A&M University at Galveston, United States)*  
*Dooms, Michaël (Vrije Universiteit Brussel, Belgium)*  
*Galvao, Cassia (Pontificia Universidade Catolica de Sao Paulo - PUC/SP, Brazil)*  

**Freight Rate Forecasting Using the Rolling Window Testing Procedure (P, ID.113)**  
*Gharehgozli, Amir (Texas A&M University at Galveston, United States)*  
*Duru, Okan (Nanyang Technological University, Singapore)*  
*Clott, Chris (SUNY Maritime College, United States)*  

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#### Session 6 - C
**Room:** Hojo, Hotel Granvia Kyoto  
**Topic:** Port Performance (2)  
**Chair:** Gonzalez-Aregall, Marta (University of Gothenburg)  

*Evolutionary Technical Efficiency and Productivity in Ports: An application to the Caribbean and Small Island Developing States (SDIS) (P, ID.67)*  
*Julien, Shelly-An (Edinburgh Napier University, United Kingdom)*  
*Cowie, Johnathan (Edinburgh Napier University, United Kingdom)*  
*Monios, Jason (Edinburgh Napier University, United Kingdom)*  

**Port efficiency: a comprehensive approach on the Brazilian seaport system literature (P, ID.73)**  
*Galvao, Cassia B. (Pontificia Universidade Catolica de Sao Paulo, Brazil)*  
*Robles, Leo T. (Universidade Federal do Maranhao, Brazil)*  

**Container terminal efficiencies and determinants in China (P, ID.253)**  
*Chang, Young-Tae (Inha University, Korea)*  
*Xiao, Wei (Inha University, Korea)*  

**Identification of significant factors which affect the efficiency of loading and unloading containers at port of Colombo (E, ID.289)**  
*Viduranga, Udara (University of Moratuwa, Sri Lanka)*  
*Sigera, Indika (University of Moratuwa, Sri Lanka)*  

**Persistent and transient efficiency on container port terminals in Europe (P, ID.223)**  
*Gonzalez-Aregall, Marta (University of Gothenburg, Sweden)*  
*Rosell, Jordi (Universitat de Barcelona, Spain)*  

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#### Session 6 - D
**Room:** Shikibu, Hotel Granvia Kyoto  
**Topic:** Maritime Risk Management  
**Chair:** TBD  

*Projecting The Future Of Pacific Ports, Shipping and Maritime Supply Chains: Evolving Climate Change Risk Management into Risk Opportunities (P, ID.13)*  
*Dyer, Jack (University of Tasmania, Australia)*  

**Risk management strategies of disaster prevention under climate-change impact for the port infrastructures and facilities (P, ID.73)**  
*Chang, Yi-Chih (National Kaohsiung Marine University, Taiwan)*  

**Simulation-based catastrophe-induced seaport loss estimation (P, ID.91)**  
*Cao, Xinhu (Nanyang Technological University, Singapore)*  
*Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)*  

**Catastrophe risk analysis of port and port-dependent industrial cluster: A framework and case study (P, ID.93)**  
*Cao, Xinhu (Nanyang Technological University, Singapore)*  
*Lam, Jasmine Siu Lee (Nanyang Technological University, Singapore)*

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* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
### Session 6 - E
Room: Senzai, Hotel Granvia Kyoto

**No session scheduled.**

### Session 6 - F
Room: Kikyo, TKP in Kyoto Tower Hotel
Topic: Containerization and Future Forecast
Chair: TBD

- A study on the quality management of containerised grains in Asia (P, ID.198)
  - *Lirn, Ted TC* (National Taiwan Ocean University, Taiwan)
  - Bremer, Peik (University of Applied Sciences Wuerzburg-Schweinfurt, Germany)
  - Liu, Judy C.J. (National Taiwan Ocean University, Taiwan)

- The structure of decision making process in the Bulk Cargo Containerization (E, ID.315)
  - *Matsuda, Takuma* (Japan Maritime Center, Japan)
  - Hanaoka, Shinya (Tokyo Institute of Technology, Japan)
  - Kawasaki, Tomoya (Tokyo Institute of Technology, Japan)

- Towards a Diversified Cargo Portfolio for Seaports: A Tool for Forecasting and Policy-Making (P, ID.39)
  - *Paflioti, Persa* (University of the Aegean, Greece)
  - Teye, Collins (University of Sydney, Australia)
  - Bell, Michael (University of Sydney, Australia)

- An Improved Dynamic Linear Forecasting Model for Container Port Throughput Considering Periodic Fluctuations (P, ID.332)
  - Su, Wenming (Jiangsu Maritime Institute, China)
  - Schinas, Orestis (HSBA, Germany)
  - Zhang, Wei (University of Tasmania, Australia)
  - Fei, Hangang (University of Tasmania, Australia)

- Applying Data Mining Techniques for Port Throughput Prediction (E, ID.320)
  - *Shen, Chung-Wei* (National Cheng Kung University, Taiwan)
  - Kuo, Pei-Fen (Central Police University, Taiwan)
  - Yu, Ming-Min (National Taiwan Ocean University, Taiwan)

### Session 6 - G
Room: Tachibana 1, TKP in Kyoto Tower Hotel
Topic: Ship Routing and Network Design
Chair: TBD

- A Route Generation Algorithm for Finding the Shipping Route with Minimal Fuel Consumption (E, ID.311)
  - Tanaka, Mirai (Tokyo University of Science, Japan)
  - *Kobayashi, Kazuhiro* (Tokyo University of Science, Japan)

- A fuzzy approach for route selection and vehicle routing in liner services (P, ID.246)
  - von Westarp, Arnd (Hamburg Süd, Germany)
  - *Schinas, Orestis* (HSBA, Germany)

- An Empirical Analysis on the Importance of the Availability of Bunkering Service in the Port Choice (P, ID.56)
  - *Low, Joyce M W.* (Singapore Management University, Singapore)
  - Tang, Loon Ching (National University of Singapore, Singapore)

- Liner service network design with transit deadline and variable speed (E, ID.309)
  - *Zhang, Yan* (Dalian Maritime University, China)
  - Yang, Hualong (Dalian Maritime University, China)

### Session 6 - H
Room: Tachibana 2, TKP in Kyoto Tower Hotel
Topic: Dry Port
Chair: TBD

- The relation between dry port characteristics and regional port-hinterland settings: an analysis of a global sample of dry ports (P, ID.75)
  - *Nguyen, Canh Lam* (University of Antwerp, Belgium)
  - Noteboom, Theo (University of Antwerp, Belgium)

- The Impact of Dry Port Operations on Container Seaports Competitiveness (P, ID.15)
  - *Jeevan, Jagan* (University of Malaysia Terengganu, Malaysia)
  - Chen, Shu-Ling (University of Tasmania, Australia)
  - Cahoon, Stephen (University of Tasmania, Australia)

- Efficiency evaluation of Chinese dry ports using a two-stage analysis approach (E, ID.308)
  - *Chang, Zheng* (Dalian Maritime University, China)
  - Yang, Dong (Hong Kong Polytechnic University, Hong Kong)
  - Wan, Yulai (Hong Kong Polytechnic University, Hong Kong)
  - Lu, Jing (Dalian Maritime University, China)

- Identifying and Prioritising Effective Factors in Creation of Dry Ports in Iran (P, ID.41)
  - *Sayareh, Jadil* (Chabahar Maritime University, Iran)
  - Dana, Mohammad Amin (Port and Maritime Organization, Iran)
  - Tahmah, Hamid Reza (Chabahar Maritime University, Iran)
Parallel Session 7 Programme (30 June, 09:00 - 10:40)

Session 7 - A
Room: Kaden, Hotel Granvia Kyoto
Topic: Green Port (2)
Chair: TBD

- Oil spill response in and around ports: lessons and questions from leading world ports (P, ID.212)
  *Carlan, Valentin (University of Antwerp, Belgium)
  *Heaver, Trevor (University of British Columbia, Canada)
  *Vaneislandier, Thierry (University of Antwerp, Belgium)

  *Chang, Young-Tae (Inha University, Korea)
  Park, Hye-soo (Inha University, Korea)
  Lee, Suh-yung (Inha University, Korea)
  Kim, Eunsoo (Korea Maritime Institute, Korea)

- Challenges and bottlenecks for green port management in Africa: the case of Kenya (E, ID.109)
  *Muganga, Denis (Kenya Ports Authority, Kenya)
  Dooms, Michel (Vrije Universiteit Brussel, Belgium)

- Green Port Practices and Green Performance in Taiwan (E, ID.290)
  *Tsai, Hsiu Li (Taipei College of Maritime Technology, Taiwan)
  Lu, Chin Shan (The Hong Kong Polytechnic University, Hong Kong)
  Chang, Chih Ching (National Taiwan Ocean University, Taiwan)

Session 7 - B
Room: Tsurezure, Hotel Granvia Kyoto
Topic: Freight Market (3)
Chair: TBD

- Market power effects in shipping freight markets (E, ID.116)
  *Kavassanos, Manolis (Athens University of Economics and Business, Greece)
  Moysiadou, Stella (Athens University of Economics and Business, Greece)

- What makes a freight market index? An empirical analysis of vessel fixtures in the offshore market (E, ID.269)
  Adland, Roar (Norwegian School of Economics, Norway)
  Cariou, Pierre (Kedge Business School, France)
  *Wolff, Francois-Charles (University of Nantes, France)

- An analysis on attitudes toward risk in shipping freight markets (E, ID.304)
  Ishii, Masahiro (Sophia University, Japan)
  *Tezuka, Koichiro (Nihon University, Japan)

- Understanding the Fundamentals of Freight Markets Volatility (P, ID.208)
  Guan, Lim Kian (Singapore Management University, Singapore)
  *Nomikos, Nikos (City University London, United Kingdom)

Session 7 - C
Room: Hojo, Hotel Granvia Kyoto
Topic: Port Hinterland Planning and Strategies
Chair: Kim, Kap Hwan (Pusan National University)

- Hinterland: The key of port development. The contribution of Coastal Spatial Planning in arising conflicts. (P, ID.154)
  *Kostopoulou, Elena (University of Piraeus, Greece)
  Sakellariadou, Elena (University of Piraeus, Greece)

- The external costs of trailer transport: A comparison of sea and road (E, ID.279)
  *Vierth, Inge (Swedish National Road and Transport Research Institute, Sweden)
  Sowa, Victor (Seat24Travel AB, Sweden)
  Cullinane, Kevin (University of Gothenburg, Sweden)

- Pre-marshaling Inbound Containers Utilizing Truck Arrival Information (P, ID.76)
  *Kim, Kap Hwan (Pusan National University, Korea)
  Gui, Lin (Pusan National University, Korea)

- Assessing the value of information from truck tracking system for congested container terminal (E, ID.96)
  *Segi, Shunsuke (Kyoto University, Japan)
  Furutuchi, Masahiko (Kyoto University, Japan)
  Ninomiya, Tamotsu (Hakata Port Terminal Co., Ltd., Japan)

- Solutions for effective landslide traffic control at container terminals- An abductive approach- (P, ID.259)
  *Motono, Ichio (Ministry of Land, Infrastructure, Transport and Tourism, Japan)
  Furutuchi, Masahiko (Kyoto University, Japan)
  Segi, Shunsuke (Kyoto University, Japan)

Session 7 - D
Room: Shikibu, Hotel Granvia Kyoto
Topic: Maritime Policy and Security
Chair: TBD

- VGM Adoption at Leading Seaports in France and in the United States: A Comparative Impact Assessment through Diffusion of Innovation (P, ID.145)
  *Fedi, Laurent (KEDGE Business School, France)
  Rousselet, Alexandre (KEDGE Business School, France)
  Russell, Dawn (KEDGE Business School, France)

- The Cost of Security: Cyberattacks on Ships (P, ID.74)
  *Mileski, Joan (Texas A & M University at Galveston, United States)
  Galvao, Cassia (Pontificia Universidade Catolica de Sao Paulo - PUC/SP, Brazil)
  Clancy, Edward (Texas A & M University at Galveston, United States)

- Use of Bayesian Network to Model Risk-based Port State Control Inspection (P, ID.68)
  *Yang, Zhisen (Liverpool John Moores University, United Kingdom)
  Yang, Zaili (Liverpool John Moores University, United Kingdom)
  Yin, Jingbo (Shanghai Jiaotong University, China)

- The Myths and Realities of Maritime Rules and Regulations from an Economic Perspective (P, ID.213)
  *Meenaksi, Bhirugnath (MICS, CILT, Mauritius)
  Kishthoo, Anoushka (MICS, CILT, Mauritius)

- The impact of Nairobi International Convention on the Removal of Wrecks for Taiwan (P, ID.109)
  *Hong, Pei Yun (National Kaohsiung Marine University, Taiwan)
  Yu, Hui Ling (National Kaohsiung Marine University, Taiwan)

* = Presenter, P = Peer Reviewed Paper, E = Extended Abstract, ID. = Submission ID Number
Prize Awards during IAME 2017 Kyoto

The MEL Best Conference Paper Prize
The MEL Best Conference Paper Prize is sponsored by Palgrave Macmillan. It is awarded to the paper that has received the highest score in the paper review process. The award is accompanied by a financial reward of £ 250.

The IAME Kyoto Conference Excellent Paper Award
The IAME Kyoto Conference Excellent Paper Award is sponsored by the organizer of the conference: Graduate School of Management, Kyoto University. It is awarded to the paper that has received one of the highest scores in the review process, and has an important academic or practical contribution. The award is accompanied by a financial reward of JPY 50,000.

The KLU Young Researcher Best Paper Award
The Young Researcher Best Paper Award is sponsored by the Department of Logistics of the Kühne Logistics University and is awarded to the paper with one of the highest scores obtained in the review process and whose main author is not older than 35. The award is a symbol of the effort that the KLU places on fostering emerging talents in maritime logistics. The award is accompanied by a financial reward of € 400.

The MPM Best Manuscript Award Published in 2016
The Maritime Policy & Management best manuscript award is an annual award for the best manuscript published in 2016 by Maritime Policy & Management in the previous year. The award consists of £ 1,000 (sponsored by Taylor and Francis).

Journals

IAME Official Journals
• Maritime Economics & Logistics
• Maritime Policy & Management

Associated Journals and Special Issues
A selection of papers presented at IAME will be considered for publication in selected volumes and special issues in the following journals:
• Transportation Research Part E
• International Journal of Transport Economics
• The Asian Journal of Shipping and Logistics
• Maritime Business Review
• International Journal of Shipping and Transport Logistics
Information on Gala Dinner

Date: 29 June 18:30 - 21:00

Venue: The SODOH Higashiyama Kyoto

The restaurant offers unique collaboration of Italian cuisine and Japanese architecture. Please also enjoy Japanese-style painting by the great master Seiho Takeuchi. The house used to be his private residence. Please see Kyoto’s refinement through the Japanese-style house and the garden that exhibits the colours of the four seasons. The large residence overlooking Yasaka Pagoda to the west and Kodai-Ji Temple to the north has been a place of interaction between cultures and arts. Ingenious course dishes are prepared with great sensitivity to the freshness of ingredients, especially being concerned with the use of local products.

Shuttle Buses to the Venue (17:30 - 18:00)

Shuttle buses depart Hotel Granvia Kyoto several times from 17:30 to take you to the restaurant.

Shuttle Buses back to Hotel Granvia Kyoto after the Dinner (21:00 -)

Kyoto City Government does not allow restaurants to open after 21:00 in the historical area. Please swiftly follow the local organizers to walk to the shuttle bus parking space as soon as the Gala dinner finishes. We appreciate your cooperation to keep quiet atmosphere at night.