

23rd Annual General Assembly

**IAMU**

Helsinki, Finland

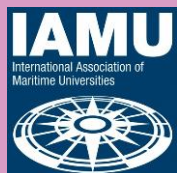


**AGA23**

18-21st October 2023

# PROGRAM

Helsinki, Finland 18<sup>th</sup> - 21<sup>st</sup> October 2023



## **International Association of Maritime Universities (IAMU)**

IAMU was founded by seven universities representing the five continents of the world (Representative Universities) in November 1999, with a shared recognition of significance of maritime education and training in the rapid globalization of the international shipping arena. Since then, IAMU has significantly expanded its membership, and now boasts 73 universities/academies/faculties of the world's maritime education and training institutions, and The Nippon Foundation as its members, total 74 altogether.

### **IAMU Annual General Assembly (AGA)**

The Annual General Assembly (AGA) is a forum to allow the exchange of information, policy approvals, and the development and fostering of good relations and collaboration among IAMU member universities.

Plenary Session, Presidents' Forum, Project presentation and IAMU conference (IAMUC) are main components of AGA. The IAMU Student Program (IAMUS) may be jointly organized by the host university.

#### **Plenary Session**

The Plenary Session provides all staff of member universities with an opportunity to review activities of IAMU and to approve IAMU policies, programs and budget as recommended by the International Executive Board (IEB). The Chair of IAMU and the Executive Director, on behalf of IEB, report to the member universities on the decision of the IEB.

#### **Presidents' Forum**

The Presidents' Forum is a meeting in which President of IAMU member universities talk about issues especially on policy, direction, and activity of IAMU considering the academic relationship among member universities as well as the economic and technological developments in the international maritime community. The Local Executive Committee (LEC) of an AGA is responsible for organizing the Presidents' Forum during the AGA.

#### **Project Presentations**

Each project coordinator/representative of a funded project such as working group, research, and development project shall make a project presentation in front of academic staff of member universities during the AGA, which is to improve quality of the project.

#### **IAMU Conference**

IAMU Conference provides academic staff of member universities with an opportunity to present the outcomes of their academic/scientific research to the IAMU community. The LEC together with the International Program Committee (IPC) jointly organizes the IAMU Conference, including the selection of session topics and qualify papers.

#### **IAMU Student Program**

LEC of an AGA may organize the IAMU Student program (IAMUS) during the AGA where students of member universities jointly participate in some events related to students' activities.



# Welcome to AGA23

The Annual General Assembly (AGA) is the annual meeting of the International Association of Maritime Universities (IAMU). The International Association of Maritime Universities Conference (IAMUC), held annually as part of the AGA, brings together experts and official representatives of IAMU member universities from all over the world to discuss recent progress and future trends in maritime education, training, research, and other matters within the scope of IAMU.

Satakunta University of Applied Sciences (SAMK) is honored to host the 23rd Annual General Assembly and IAMUC 2023.



## Introduction

The 23rd Annual General Assembly is a spectacular event taking you from Helsinki to Stockholm and back, as most of the conference will take place on the cruise ship Silja Serenade which is sailing between the Finnish capital Helsinki and the Swedish capital Stockholm, making it the first AGA at sea.



# AGA23 & IAMUC Program

## Tuesday 17.10.2023

FI Time	Activity & Location
16:00 - 19:00	<b>Registration</b> Hotel Scandic Grand Marina
19:00 - 22:00	<b>Welcome Dinner</b> Restaurant Marine, Grand Marina Congress Center

## Wednesday 18.10.23

FI Time	Activity & Location
08:30 - 13:00	<b>Registration</b> Grand Marina Congress Center 2nd floor
09:00 - 10:00	<b>Opening Ceremony</b> Fennia II, Grand Marina Congress Center
<b>10:00 - 10:15</b>	<b>Coffee Break</b> Grand Marina Congress Center
10:15 - 12:00	<b>Presidents Forum</b> (Presidents/official proxies only) Grand Marina Congress Center Room #Nordia
10:15 - 12:00	<b>Icebreaker visit</b> (max 20 pers. Per group) Icebreaker Fleet 15 min walk
<b>12:00 - 13:00</b>	<b>Lunch</b> Restaurant Marine, Grand Marina Congress Center
13:00 - 14:30	<b>Plenary Session</b> (IAMU members only) Grand Marina Congress Center Room #Fennia II
14:00 - 15:00	<b>Coffee Break</b> Grand Marina Congress Center
<b>15:00 - 16:30</b>	<b>Boarding Ship</b> (Shuttle bus between Hotel Scandic Grand Marina - Olympiaterminaali)
On board Silja Serenade	
FI Time	Activity & Location
16:30 - 18:00	<b>Project Presentations</b> Starlight
18:00	<b>Welcome on board</b> Starlight
<b>20:30</b>	<b>Gala Dinner</b> Seaport

## Thursday 19.10.23

FI Time	Activity & Location	
<b>08:00 - 9:30</b>	<b>Breakfast</b> Grande Buffet	
<b>IAMU Conference, Technical Sessions</b> Conference Department		
	<b>Session 1: Technological Aspects</b> <b>Chair: Dr. Reza Emad</b>	<b>Session 2: Policy Aspects</b> <b>Chair: Graham Benton</b>
10:00 - 10:20	Opening Session	
10:20 - 10:40	<b>Esmā Uflaz, Hadi Fadil Bantan, Hollie Black, Ozcan Arslan, Emre Akyuz and Osman Turan:</b> Concepts and Applications of Eye Tracking Technology in Maritime Shipboard Operation with Pilot Case Study	<b>Scott MacKinnon, Reto Weber, Monica Lundh, Fredrik Olindersson, Johan Magnusson and Mats Gruvefeldt:</b> Assessing the Challenges to the International Convention of Standards of Training, Certification and Watchkeeping in the Era of Digitalization and Automation
10:40 - 11:00	<b>Ender Asyali, Steve Tarrant, Adam Slazas, Steve Cole:</b> A Comparative Analysis of Workload for Navigation Tasks Performed onboard and at Simulated Remote Control Centers for MASS Using NASA-TLX	<b>Hoang Nguyen Vuong:</b> Enhancing e-learning in Maritime Education and Training: Action research in Vietnam context
11:00 - 11:20	<b>Qi Chen, Amanda Pang and Daniel Pang:</b> Navigating the Future: Integrating AI into Maritime Education	<b>Theodore Marr, Jennifer Smith, and Elizabeth Sanli:</b> A Delphi Study to Formalize Domain Knowledge on Maritime Collision Avoidance and Inform Training
<b>11:20 - 12:00</b>	<b>Coffee Break / Poster Presentations</b>	
<b>11:00</b>	<b>Ship Arrival to Stockholm, Sweden</b> Värta Terminal	
	<b>Session 1 continuation</b>	<b>Session 2 continuation</b>
12:00 - 12:20	<b>Gholam Reza Emad, Mehrangiz Shahbakhsh, Koivisto Heikki, Stephen Hurd and Janne Lahtinen:</b> Simulator as a Critical Training Tool for Autonomous Ship Operators	<b>Meric Karahalil, Margareta Lützhöft and Joel Scanlan:</b> Factors Impacting Curricula in Maritime Simulator-based Education
12:20 - 12:40	<b>Goran Vizentin, Darko Glujić, Goran Vukelić, Dean Bernečić and Dario Ogrizović:</b> Coupling CFD and VR for Advanced Fire Training in Ship Engine Room	<b>Jens Brauchli Jensen:</b> Exploring possible content and structure of a quality maritime master program in Denmark

12:40 - 13:00	<b>Srdan Vujičić, Damir Zec, Martina Hrnić, Nermin Hasanspahić and George Gbedava:</b> The factors affecting cruise ships' evacuation efficiency	<b>Mao Tze M. Bayotas:</b> BoK- STCW-TRB Triumvirate Course Mapping for Learning Outcome Matrix of BS Marine Engineering Program
13:00 - 13:30	Session 1 Discussion	Session 2 Discussion
13:00 - 14:00	<b>Deck visits</b> (Command bridge & Engine room)	
<b>13:30 - 14:30</b>	<b>Lunch</b> Grande Buffet	
<b>IAMU Conference, Technical Sessions</b> Conference Department		
	<b>Session 3: Environmental Aspects</b> <b>Chair: Prof. Minna Keinänen-Toivola</b>	<b>Session 4: Social Aspects</b> <b>Chair: Capt. Heikki Koivisto</b>
14:30 - 14:50	<b>Malini Shankar, Sheeja Janardhanan, Pavan Kumar, Ramakrishna Patnaik, Vanshika Khandelwal and Bhadra Vazhappully:</b> A study of the effect of shipping pollution in the port and territorial waters of Visakhapatnam	<b>Momoko Kitada, Alina Balasanyan, Inga Bartusevičienė, Mary Chakvetadze, Besik Chkhikvadze, George Gbedava, Rima Mickienė, Iryna Savelieva, Alessandro Schönborn, and Koskina Yuliia:</b> People-Centred Clean Energy Transition: The Role of Maritime Education and Training
14:50 - 15:10	<b>Johannes Kolind and Mads Klit Rønn:</b> Life Cycle Assessment to Determine the Relevance of Including	<b>Margaret Ward, Tamara Burbach, Fred Reiman and Ben Hughes:</b> Engagement of Students in Maritime Operations – An Exploration into Cultivating Cultural Connection Across Majors at a Maritime University
15:10 - 15:30	<b>Pyry Lähde, Sami Skog and Minna M. Keinänen-Toivola:</b> Breakthrough simulator technologies for seafaring, education, and training	
<b>15:30 - 16:00</b>	<b>Coffee Break / Poster Presentations</b>	
	<b>Session 3 continuation &amp; Economical Aspects</b>	<b>Session 4 continuation</b>
16:00 - 16:40	<b>Mamdouh Elmallah and Mohamed Shouman:</b> Implementations to decrease noxious emissions and develop environmental sustainability in seafaring	<b>Birgit Rasmussen:</b> English as teaching language at SIMAC
16:40 – 17:00	<b>Matthew Sumner, Martina Žuškin, Srdan Žuškin, Mirano Hess:</b> Competitive game fundamentals and concept model representation for LNG transportation industry	<b>Claudia Barahona-Fuentes, Marcella Castells-Sanabra and Momoko Kitada:</b> Incorporating the gender perspective in teaching: the case of Barcelona School of Nautical Studies

17:00 - 17:20	<b>Peggy Shu-ling Chen, Hongjun Fan, Hossein Enshaei, Wei Zhang, Wenming Shi, Nagi Abdussamie, Takashi Miwa, Zhuohua Qu and Zaili Yang:</b> Hydrogen Shipping Cost Evaluation for Potential Corridors	
17:20 - 18:00	Session 3 Discussion Summary of day 1	Session 4 Discussion Summary of day 1
<b>16:45</b>	<b>Ship departs Stockholm, Sweden</b> Värta Terminal	
<b>20:30</b>	<b>Buffet Dinner</b> Grande Buffet	

<b>Friday 20.10.23</b>	
<b>FI Time</b>	<b>Activity &amp; Location</b>
<b>07:30</b>	<b>Breakfast</b> Grande Buffet
<b>IAMU Conference, Technical Sessions</b> Conference Department	
	<b>Session 5 Technological Aspects</b> <b>Chair: Capt. Heikki Koivisto</b>
09:00 - 09:15	<b>Mesut Can Köseoğlu and H. Funda Yercan:</b> Conceptual Modelling of the Use of Artificial Intelligence in Maritime Education and Training: An Exploratory Approach
09:15 - 09:30	<b>Heikki Koivisto, Lesya Demydenko, German de Melo, Taner Albayrak, Gintvilė Šimkonienė and Artem Ivanov:</b> On-line ERS
<b>10:00 - 10:30</b>	<b>Break</b>
	<b>Session 5 Continuation</b>
10:30 - 10:45	<b>Gholam Reza Emad, Aditi Kataria and Gamini Lokuketagoda:</b> Developments in Engine Room Simulator Training Technology for Future Ships: Facilitating Training in Context
10:45 - 11:00	<b>Anna Mujal-Colilles and Jordi Fonollosa:</b> Data acquisition differences between two AIS receiving antennas
11:00 - 11:30	Session Discussion 5
<b>11:30 - 12:00</b>	<b>Closing Ceremony</b>
<b>12:00 - 13:00</b>	<b>Lunch</b> Grande Buffet
<b>13:00</b>	<b>Leave ship</b> Olympiaterminaali

13:30 - 14:30	Helsinki Tour by bus
<b>14:30</b>	<b>Bus departure Helsinki - Rauma</b>
<b>18:30</b>	<b>Bus arrival in Rauma</b>

<b>Saturday 21.10.23</b>	
<b>FI Time</b>	<b>Rauma, Finland</b>
<b>08:30 -09:00</b>	<b>Pick-Up from hotel by bus</b>
09:00 - 10:30	Old Rauma Tour on foot
10:30 - 12:00	Campus Tour
<b>12:00 - 13:00</b>	<b>Lunch</b>
<b>13:30</b>	<b>Bus departure Rauma - Helsinki</b>
<b>17:00</b>	<b>Bus arrival Helsinki - Vantaa airport/Helsinki City</b>



# On board Silja Serenade

## Entertainment

Casino

Starlight - Live music & Nigh club

New York Club & Lounge

## Restaurants

Grande Buffet

Tavolàta Ristorante Italiano

Happy Lobster

Grill House

Bon Vivant, Wine bar & shop

Coffee & Co.

## Shopping

Tax Free superstore

Marimekko - store

Tommy Hilfiger - store

Luxury

GiftS

Moomin shop-in-shop

Kids&toys



# Social Events

## Welcome Dinner

Date: October 17<sup>th</sup> / 19:00

Location: Restaurant Marine, Grand Marina Congress Center

## Gala Dinner

Date: October 18<sup>th</sup> / 20:30

Location: Seaport

## Buffet Dinner

Date: October 19<sup>th</sup> / 20:30

Location: Grande Buffet

# Accompanying Person's Program

Tuesday 17.10.2023	
FI Time	Activity & Location
16:00 - 19:00	<b>Registration</b> Hotel Scandic Grand Marina
<b>19:00 - 22:00</b>	<b>Welcome Dinner</b> Restaurant Marine, Grand Marina Congress Center

Wednesday 18.10.23	
FI Time	Activity & Location
09:00 - 10:00	<b>Opening Ceremony</b> Fennia II, Grand Marina Congress Center
	<b>Tours of Helsinki</b>
10:00 - 11:30	Helsinki City Tour
<b>11:30 - 12:30</b>	<b>Lunch</b>
12:30 - 14:30	<b>Suomenlinna</b> Unesco Heritage Site
<b>15:00 - 16:30</b>	<b>Boarding Ship</b> (Shuttle bus between Hotel Scandic Grand Marina - Oympia Terminal)
On board Silja Serenade	
18:00	<b>Welcome on board</b> Starlight
<b>20:30</b>	<b>Gala Dinner</b> Seaport

<b>Thursday 19.10.23</b>	
<b>FI Time</b>	<b>Activity &amp; Location</b>
11:00	<b>Ship Arrival Stockholm</b> Värtan Terminal
<b>Tours of Stockholm</b>	
11:00 - 13:00	Guided Stockholm sightseeing
<b>13:00 - 14:30</b>	<b>Lunch</b> On board
14:00 - 16:00	Free time in Stockholm
<b>16:45</b>	<b>Ship Departs Stockholm</b> Värtan Terminal
<b>20:30</b>	<b>Buffet Dinner</b> Grande Buffet

<b>Friday 20.10.23</b>	
<b>FI Time</b>	<b>Activity &amp; Location</b>
8:00 - 12:00	Free time onboard
<b>12:00 - 13:00</b>	<b>Lunch</b> Grande Buffet
<b>13:00</b>	<b>Leave ship</b> Olympiaterminaali
13:30 - 14:30	Helsinki Tour by bus
<b>14:30</b>	<b>Bus departure Helsinki - Rauma</b>
<b>18:30</b>	<b>Bus arrival in Rauma</b>

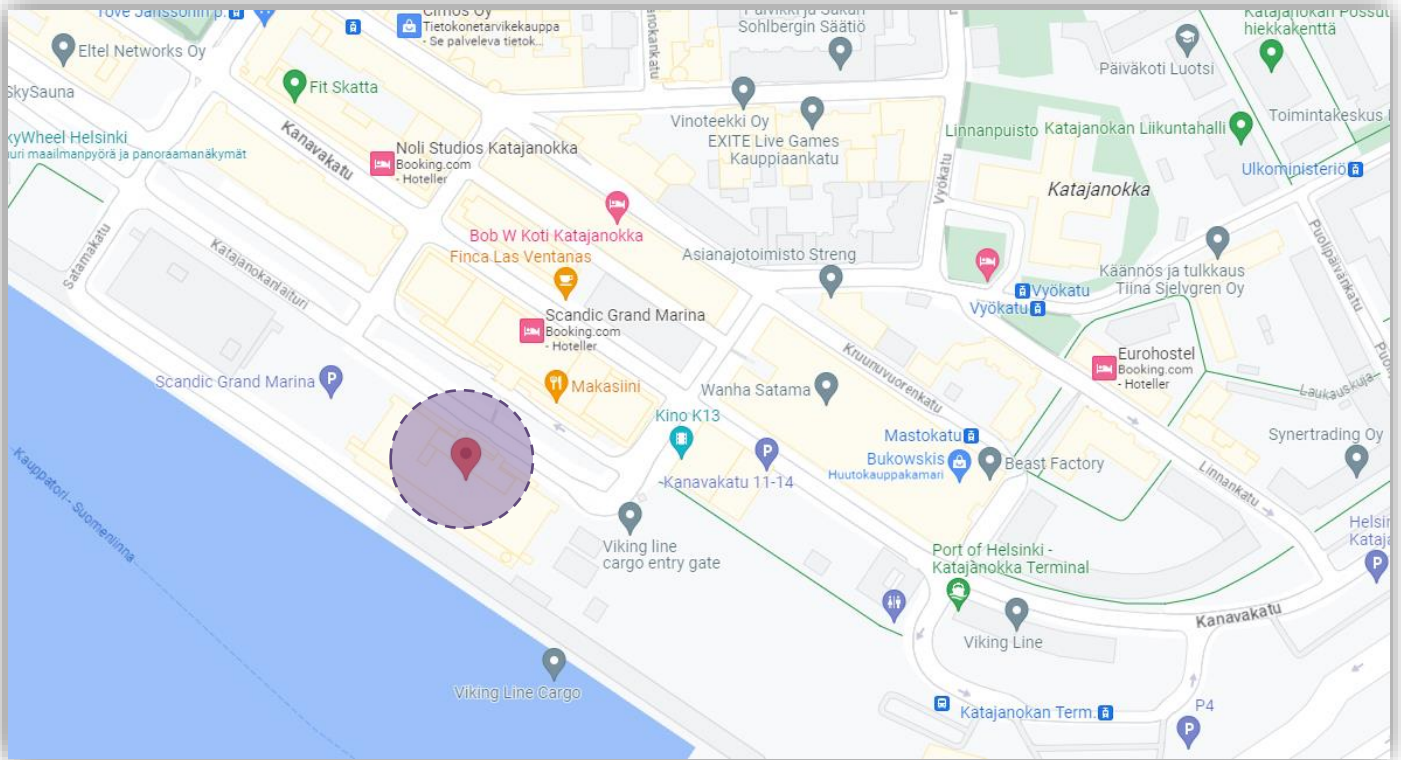
<b>Saturday 21.10.23</b>	
<b>Time FI</b>	<b>Rauma, Finland</b>
<b>08:30 - 09:00</b>	<b>Pick-Up from hotel by bus</b>
09:00 - 10:30	Old Rauma Tour on foot
10:30 - 12:00	Campus Tour
<b>12:00 - 13:00</b>	<b>Lunch</b>
<b>13:30</b>	<b>Bus departure Rauma - Helsinki</b>
<b>17:00</b>	<b>Bus arrival Helsinki - Vantaa airport/Helsinki City</b>

# Venue

## Helsinki – Scandic Grand Marina Congress Center

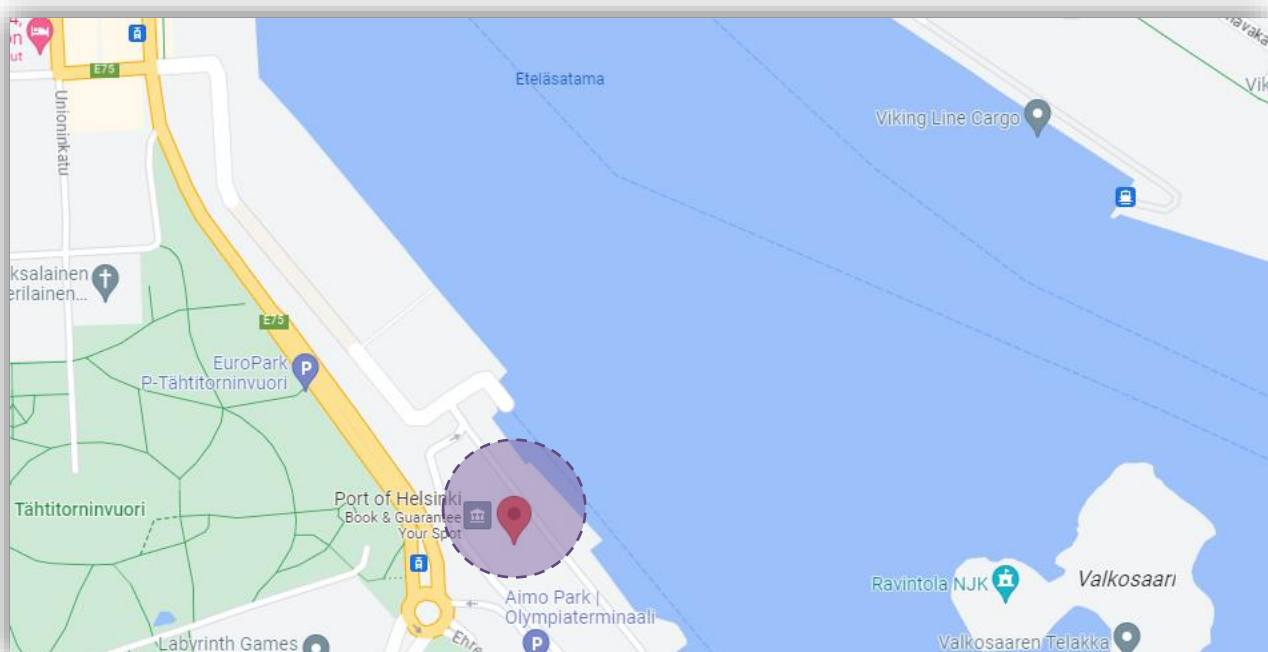
The opening of the 23<sup>rd</sup> IAMU Conference takes place at the Scandic Grand Marina Congress Center.

**Katajanokanlaituri 6, 00160 Helsinki, Finland**



## Helsinki - Silja Boarding Terminal

The boarding terminal for the Ship “Silja Serenade” is located on the opposite side of the harbour bay, to Scandic Marina Congress Center. **Olympiaranta 3, 00140 Helsinki**







# IAMU

International Association of  
Maritime Universities



[www.aga23.samk.fi](http://www.aga23.samk.fi)