2019 FERRY SAFETY+ TECHNOLOGY CONFERENCE

Chao Phraya Express Boat



WORLDWIDE FERRY SAFETY ASSOCIATION

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Welcome

2019 FERRY SAFETY + TECHNOLOGY CONFERENCE

Dear colleagues,

On behalf of the Worldwide Ferry Safety Association we welcome you to our first conference in Asia. We have attracted a great cadre of people actively engaged in ferry safety and our fervent hope is that collaborations among you ensue. Please let us know if we can be of service in making things happen, either with data analysis, commissioning student research, the next design competition, or helping you make connections.

We appreciate your support in being here – many of you have travelled long distances to be in Bangkok. We look forward to your ideas and we urge your support for implementing our ongoing ferry safety efforts: to expand the use of AIS on ferries; to improve detection and communication of sudden hazardous weather and waves; to encourage and implement efficient training; and to push the envelope for safe affordable ferries.

Enjoy the conference!

Roberta Weisbrod

Dear Delegates,

It gives me great pleasure to welcome you to Bangkok, Thailand, for the fifth annual Ferry Safety and Technology Conference 2019.

We are delighted to be the co-host of this year's conference. We have been working closely with the Worldwide Ferry Safety Association to prepare this conference for all of you. We look forward to learning and sharing meaningful exchanges from International experts on ferry safety development from worldwide private and public sectors.

This year marks Chao Phraya Express Boat Co., Ltd. 48th anniversary. From wooden passenger ferries, this year we are very excited to announce the launch of a new 24m catamaran passenger ferries from our affiliated company: Chao Phraya Tourist Boat (CTB).

We are confident that this year's conference held in Bangkok, Thailand will be a ground breaking platform for Asian region in future development of ferry safety.

Supapan Pichaironarongsongkram

Mrs. Supapan Pichaironarongsongkram
Chairperson
Chao Phraya Express Boat Co., Ltd.



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Speaker Biographies



Moritz Bruns, FRS, the international ferry development company with interest in Europe, North Africa, the Middle East and North America. He is Director Business & Corporate Development and is skipper of the FRS racing team.



Ephrem Dela Cerma, Jr. is the CEO of Seaversity which focuses on training the new generation of seafarers. Prior to that he was CEO Integrated Maritime and has been instructor at University of Cebu and at several simulators.



Henk Grunstra, Project Director, Ferries, with Damen Group, has three decades of ship design and product development of high speed and naval craft, luxury yachts, and currently ferries. As such, Damen Group has recently delivered Ferries to Abidjan, Vancouver, Antwerp, Angola and the Philippines.



David Hewson is the Antenna Network Manager of Genscape Vesseltracker, a leading provider of AIS vessel tracking. An engineer by training, he joined the Vesseltracker team in 2012 and has since led the expansion of Vesseltracker's AIS antenna network worldwide.



Somsak Hommuang is the Director-General of the Marine Department of the Ministry of Transport of Thailand. Prior to that he was Director of the Mass Transit Authority and Deputy Permanent Secretary of the Transport Ministry.



Commodore Syed Ariful Islam is Director-General Bangladesh Shipping Department. Prior to that his illustrious career with the Bangladesh Navy included command of five ships including a frigate; command of Flying Wing of Naval Aviation; and serving in a UN peacekeeping mission in Sudan in a riverine unit. He has also been an instructor of naval officers and sailors.



Captain Kevin Kiefer is Deputy Director, US Coast Guard, Marine Transportation Systems. Prior to that he was Chief of Staff for the 1st District, and before that Sector Commander, for the Baltimore area.



Thanatip Jantarapakde is with the Thailand Marine Department as Chief of the Vessel Traffic Control Section. He represents Thailand on several international maritime forums.



Dr. David Meddings, World Health Organization. He coordinates work for the agency dealing with the prevention of childhood deaths including by drowning and produced the Global Report on Drowning.



Aleik Nurwahyudy, is a marine safety investigator, Indonesia National Transportation Safety Committee. A member of the Marine Accident Investigator International Forum, he has a Master's Degree from World Maritime University on maritime safety, and a Naval Architecture and Marine Engineering degree from Sepuluh November Institute.



Anders Ørgård, a naval architect, is Chief Commercial Officer and majority owner of OSK Denmark, a ship design and consultancy firm. Anders has served as Secretary General of Danish Society for Naval Architecture and Marine Engineering and is on the Board of Interferry.



Christopher "Chet" Pastrana is an entrepreneur who founded the CAPP and Archipelago Group of Companies. In 2018, he completed the deployment of 12 brand new, modern and internationally classed RoPax vessels for the Western, Eastern and Central Philippines Nautical Highway and expecting delivery of 18 more by 2020.



Mary Ann Pastrana, an entrepreneur who co-founded the Archipelago Group of Companies involved in Ferry and Port Operations, Manning Business, and Maritime Training. She and her husband Chet are pioneers in Domestic Shipping Modernization. An active member of the Lectors Ministry, Interferry, Women in Maritime Association, she recently achieved a Post Diploma Course in Executive Maritime Management at the World Maritime University.



Mrs. Supapan Pichaironarongsongkram, is the Chairperson of Chao Phraya Express Boat Co., Ltd., Chao Phraya Tourist Boat Co., Ltd. and Supatra Group of companies. Among her many awards her most recent was the "ASEAN Outstanding Women Entrepreneurs" in 2015.



Karsten Ingemann Pedersen is the CEO of Aerial & Maritime Ltd. Prior he worked in leadership roles internationally in both the defense and high-tech industries. His background is in engineering.



Irfan Rahim, Head of Special Projects at International Maritime Organization, is a Master Mariner, who holds a Bachelor of Science degree with honours in Transport Technology, a Master of Laws in International Justice, and a Master of Laws in International Business Law. He has lead and directed projects strategic in nature including the first ever review of international law on the obligation to rescue at sea, which has secured international acclamation. He also worked at the UNESCAP, as Chief, Transport Infrastructure Section.



Nurur Rahman, a Master Mariner and a Maritime Consultant, has spent 20 years at sea and 25 years both as ship manager and in regulatory roles including as the Operational head of Papua New Guinea National Maritime Safety Authority. He is an IMO Expert and is on the Board of the Worldwide Ferry Safety Association.



Rajesh Rohatgi is World Bank Senior Transport Specialist for Bangladesh in the South Asia Sustainable Development Unit. He was trained as a Civil Engineer, with a Masters in Transport Planning, as well as a degree from the Harvard Kennedy School.



Gianluca de Rosa is an Officer, Marine Casualties Investigative Body, Italy Ministry of Infrastructure and Transport.



Len Roueche, a transport economist, has worked in the ferry industry for over 40 years, 25 years with BC Ferries (Canada's largest operator), followed by 14 years as CEO of Interferry (the worldwide ferry industry association). Currently he works in an advisory role as a member of the WFSA Board.



Chaiwat Tongkamkoon, Permanent Secretary Ministry of Transport, Thailand. Previously he was Director of the Office of Transport and Traffic Policy and Planning.



Dr. Bekir Sitki Ustaoglu has been Head, Asia and Pacific Section, Technical Co-operation Division of the International Maritime Organization since 2009. Prior Dr. Ustaoglu represented Turkey to IMO. Before that Dr. Ustaoğlu was Assistant Professor at Istanbul Technical University, Maritime Faculty.



Michael Walls is a Senior Vice President at Marsh & McLennan Companies (Singapore) and the Marine Practice Leader for Asia, advising shipowners and operators on risk and insurance matters.



John Waterhouse, PE. is Chief Concept Engineer, Chairman of the Board, and founding partner of Elliott Bay Design Group. With over 30 years of experience in naval architecture and marine engineering he has made significant contributions to the industry through innovative design and engineering achievement, working for the largest ferry systems in the US, as well as numerous others in the developed and developing world. Mr. Waterhouse has a BS in Mechanical Engineering from UC Berkeley and MS in Naval Architecture and Marine Engineering from MIT and is on the board of the Worldwide Ferry Safety Association.



Roberta Weisbrod, Ph.D. is Executive Director and a Founder of the Worldwide Ferry Safety Association. She has worked for governments and businesses on environmental, safety and economic development aspects of maritime transport and is the author of numerous papers.



Jian Xin, China Maritime Safety Administration. Among his achievement he has convened the ASEAN Regional Forum Workshop on Ferry Safety.

Program Event Schedule

Wednesday February 20, 2019
Riva Surya Bangkok

4:30 – 6:00 PM **Reception and Registration**

Thursday February 21, 2019
Ibis Styles Bangkok Khaosan Viengtai

8:00 - 8:45 a.m. **Registration and Coffee**

8:45 - 9:15 a.m. **Introduction: Setting the agenda**
Master of Ceremonies, John Waterhouse

Thai Permanent Secretary of Transport Chaiwat Tongkamkoon,
"How ferry service planning fits into the Thailand national agenda"

Director-General Marine Department Somsak Hommuang

9:15 - 9:20 a.m. **Welcome**
Roberta Weisbrod, Executive Director,
Worldwide Ferry Safety Association

9:20 - 10:55 a.m. **Panel 1: Good News about Ferry Systems**
Moderator, Bekir Sitki Ustaoglu, IMO

"Inland Waterway Development for India and Bangladesh"
Rajesh Rohatgi, World Bank Transport Specialist for Bangladesh

"Initiatives taken by Bangladesh to Enhance Ferry Safety and Other Areas for Improvement"
Commodore Syed Ariful Islam, Bangladesh Director-General Shipping

"New designs – Trends towards Energy Saving and Safety"
Anders Ørgård, OSK Denmark

"New Ferries and Ferry System, Kenya's Lake Victoria"
John Waterhouse, Elliott Bay Design Group

10:55 - 11:10 a.m. **Coffee Break**

11:10 - 12:00 p.m. **Panel 2: Student awardees**
Moderator, Chet Pastrana, Archipelago Ferries

Designing a vessel for the Pasig River, Student awardees of international design competition

Discussant, Henk Grunstra, Damen Group

12:00 - 1:20 p.m. **Lunch**

1:20 - 2:20 p.m. **Panel 3: In the service of safety: Practicable Technologies**
Moderator, Len Roueche

"Lower cost buoyancy devices for drowning prevention"
David Meddings, World Health Organization

"Hazardous weather and navigation information via enhanced AIS Messaging"
USCG Captain Kevin Kiefer

"Rolling out AIS for ferries in Bangladesh"
David Hewson, Vesseltracker & Nurur Rahman

"Visualizing equatorial Indo-Pacific: new nano-satellites"
Karsten Pedersen, Aerial-Maritime

"Maritime insurance: New Products based on Performance & Use"
Michael Walls, Marsh (Singapore)

2:20 - 2:30 p.m. **Coffee Break**

2:30 - 4:45 p.m. **Panel 4: Accident analyses and Implications**
Moderator Nurur Rahman

"Thailand, Lessons learned from the Phoenix accident. What is being done to prevent it."
Thanatip Jantarapakde, Thailand Marine Department

RoPax Ferry Fires: Causes and Solutions:
"Indonesia: Causations"
Aleik Nurwahyudy, Indonesia National Transportation Safety Committee

"China's Practices and Experiences on Ferry Safety"
Jian Xin, China Maritime Safety Administration

"Comparison MV Norman vs. Sorrentino: lessons learned"
Gianluca de Rosa, Italy Ministry of Infrastructure and Transport

5:00 -5:30 p.m. **Student awards ceremony**
Presenter, TBD

Student awardees, 6th International Design Competition for a Safe Affordable Pax Ferry for the Pasig River, Manila

5:30 - 7:00 p.m. **Reception**

Program Event Schedule

2019 FERRY SAFETY+ TECHNOLOGY CONFERENCE

Maritime

Friday February 22, 2019

Multiple venues

8:00 - 11:00 a.m. **Riva Surya Board Room**

Training

Moderator, Mike Corrigan, Interferry

Len Roueche,
"The International Ferry Training Survey – Results and Next steps"

Mary Ann Pastrana,
"Archipelago Ferries Training Program"

Ephrem Dela Cerma, Jr., Seaversity
"Virtual Reality Maritime Training"

Investments

Moritz Bruns, FRS
"Safety & Security: Key performance indicators for investments"

International Maritime Organisation (IMO)

Irfan Rahim, IMO
"IMO and the Way Forward"

Chao Phraya Express Boat & River Transport Evolution in Bangkok

Supapan Pichaironarongsongkram, Chairperson,
Chao Phraya Express Boat Co., Ltd.
"Co-Evolution of River Transport in Bangkok and the Chao Phraya Express Boat Co."

11:00 - 11:10 a.m. **Coffee Break**

11:10 - 12:30 p.m. **Waterborne tour**

Cruise along The Chao Phraya river onboard Chao Phraya Tourist Boat (CTB) catamaran, newest of the fleet

Experience the evolution of Hop On Hop Off boat service

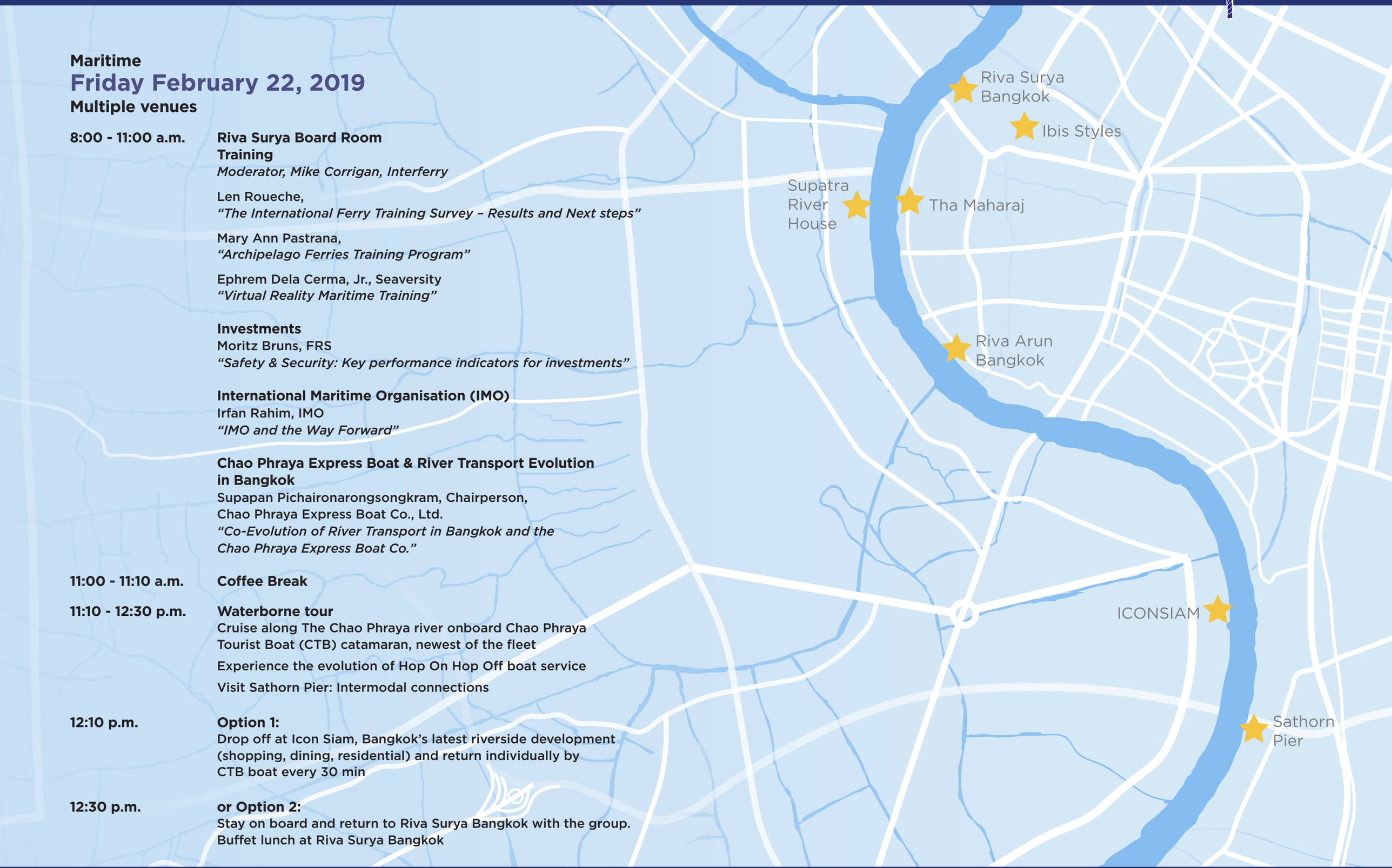
Visit Sathorn Pier: Intermodal connections

12:10 p.m. **Option 1:**

Drop off at Icon Siam, Bangkok's latest riverside development (shopping, dining, residential) and return individually by CTB boat every 30 min

12:30 p.m. **or Option 2:**

Stay on board and return to Riva Surya Bangkok with the group.
Buffet lunch at Riva Surya Bangkok



Many Thanks for

THE TK FOUNDATION

For Supporting Student Participation to the Conference

CONGRATULATIONS TO THE DESIGN COMPETITION AWARDEES

1st prize team
Singapore Institute of Technology
Vinoth Jawahar
Daniel Sukartio
Qimiao Lin

2nd prize team
Institut Teknologi Sepuluh Nopember
Sasmita Adi Nugraha
M. Faizur Rijal Azhad
Anson Novendra Pradana
Muhammad Faishal Ar Rifqy
Anwar Sahid

3rd prize teams
Shanghai Maritime University
Qianwen Li Yi Yao

Universidad Veracruzana
Gustavo Gómez Hernández César Martín Escobedo León
Luis Andrés Sánchez Garrido Jesus Isaac Valdez Gayosso

CONGRATULATIONS TO THE DESIGN COMPETITION AWARDEES



Photo by Patrick Roque

1st prize

Singapore Institute of Technology

Captain: Vinoth Jawahar
Qimiao Lin
Daniel Sukartio

Faculty Advisors: Mohammed Abdul Hannan, Ivan CK Tam

2nd prize

Institut Teknologi Sepuluh Nopember

Captain: Sasmita Adi Nugraha
M. Faizur Rijal Azhad
Anson Novendra Pradana
Muhammad Faishal Ar Rifqy
Anwar Sahid

\Faculty Advisor: Ir. Agoes Santoso, M.Sc., M.Phill, CEng, (FIMarEST, MRINA)

3rd prizes

Shanghai Maritime University

Captain: Qianwen Li
Chaochun Huang
Dezheng Jia
Donghao Wu
Yi Yao

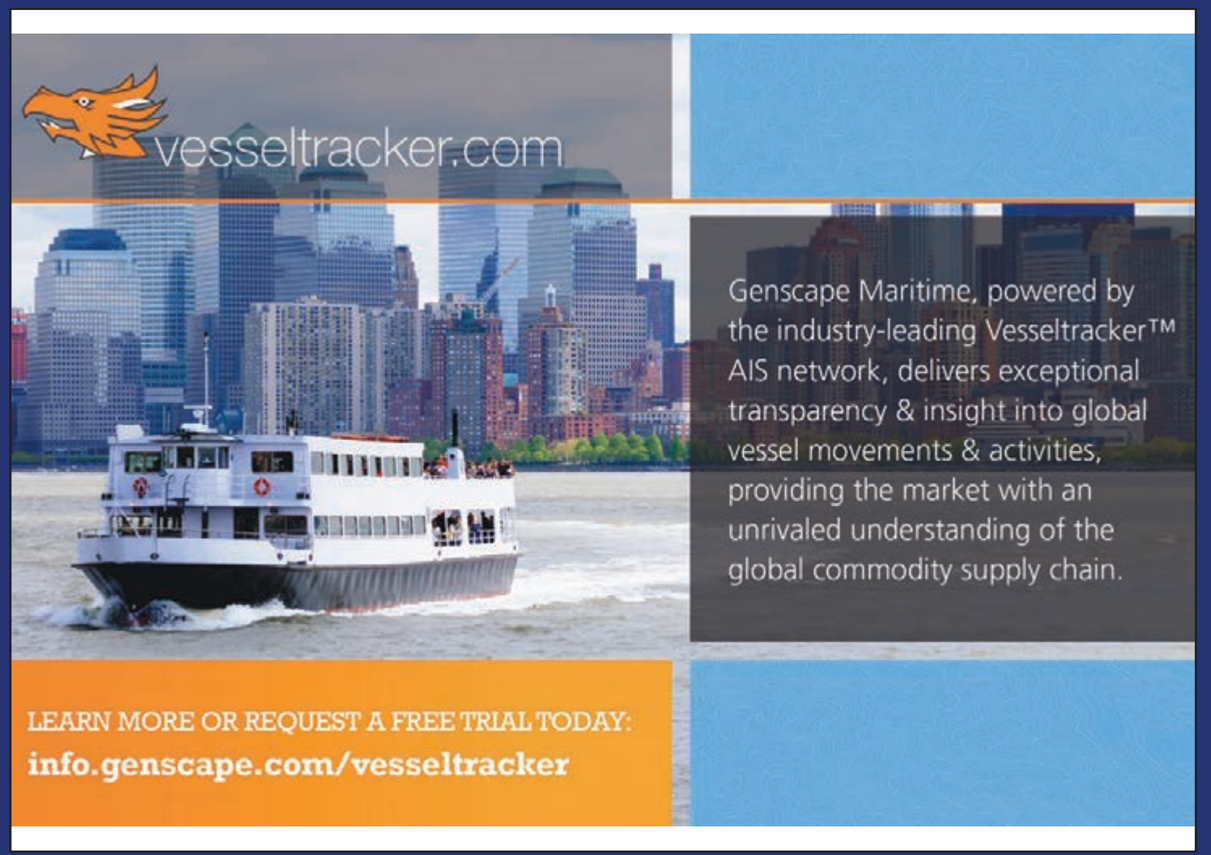
Faculty Advisors: Gongxing Wu, Baoji Zhang

Universidad Veracruzana

Captain: Gustavo Gómez Hernández
Luis Andrés Sánchez Garrido
Jesus Isaac Valdez Gayosso
César Martín Escobedo León

Faculty Advisors: PhD. Mariano A. Hernández Contreras,
MAE. José Hernández Hernández, MAE. Edna D. Rosas Huerta


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FERRY SAFETY AND TECHNOLOGY CONFERENCE MAR 18-20, 2020

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Photos by Mitch Waxman

ABOUT THE WORLDWIDE FERRY SAFETY ASSOCIATION

What We Do

Maintain a Data Base on ferry fatalities since 2000

- 25 Data Points
- Share on request
- Analyze data to understand causes of fatalities

Work with maritime students

Sponsor an international student design competition, now in 6th round

- Currently for Pasig River Passenger Ferry
- Previous for Bangladesh River Ferry, Papua New Guinea Ro-Pax, Indonesia Ro-Pax, Bangkok Passenger Ferry, Singapore-Malaysia-Indonesia Passenger ferry

Commission & pay for student research

- Collaborate on Special Projects to advance ferry safety
- Global survey of SAR with International Maritime Rescue Federation
- Weather Monitors on ferry routes, 3D printed, (U. Albany, Archipelago Ferries)
- Expanding the use of AIS on ferries
- Ro-Pax Fire Mitigation

WFSA is

- A US-Based Not-for-Profit Organization founded in 2008, activated in 2012
- Sustained by sponsorships, contributions, and conference registrations







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John Waterhouse, Elliott Bay Design Group
Roberta Weisbrod, Executive Director, Worldwide Ferry Safety Association

Colleagues and Friends

Mai Armstrong, Graphic Designer
Aman Bardia, Intern
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