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Welcome

2017 FERRY SAFETY+ TECHNOLOGY CONFERENCE

Dear Colleagues,

Welcome to the 3rd Annual Ferry Safety and Technology Conference.

The conference is a great opportunity to learn about and contribute to the discussion on global ferry safety and related technological advances. Networking with people from around the world is also an important aspect of the event. We welcome your feedback as we strive to improve the conference each year.

While you are here please enjoy the many attributes of New York City, especially our newly expanded commuter ferry service.

On behalf of the Worldwide Ferry Safety Association

Roberta Weisbrod



Program Events Schedule

2017 FERRY SAFETY + TECHNOLOGY CONFERENCE

Thursday May 11, 2017

Pier A Harbor House, Battery Place

8:00 - 9:00 a.m. **Registration and Breakfast**

9:00 - 9:20 a.m. **Introduction: Setting the Agenda**

Joseph Hudspeth, All American Marine
Dr. Roberta Weisbrod, Worldwide Ferry Safety Association

9:25 - 10:55 a.m. **Panel 1: Vessels & Landings: Developed/Developing World**

Moderator, Malcolm McLaren, McLaren Engineering Group

Ivory Coast Ferry, Jan van der Vorm/Jan Ooijen, Damen

India's Great Ferry Leap, Amit Bhowmick, PANYNJ

Vessels, landings and operations for the Chao Phraya River, Farn Sritrairatana, Executive Director, Chao Phraya Express Boat

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

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

11:10 - 12:00 p.m. **Panel 2: Training**

Moderator, James De Simone, Staten Island Ferries

Use of crowded-harbor simulator, Cameron Clark, Hornblower

E-learning on a mobile platform – Something New! Murray Goldberg, Marine LMS, Alejandro Ingente & Russel Baja, Archipelago Ferries

12:00 - 1:20 p.m. **Lunch** (Outdoors or in, your choice)

1:20 - 2:20 p.m. **Panel 3: Affordable real time weather route information**

Moderator, Commander William Grossman, USCG

Access to new satellite weather info., Joseph Sienkiewicz, NOAA

Planning for 3D printed ferry weather monitors, Catherine Lawson, University at Albany Visualization & Informatics Lab

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

2:30 - 4:45 p.m. **Panel 4: Telematics, Augmented Reality, Affordability**
Moderator, Len Roueche, FRS and WFSA

Mesh Network: full harbor visibility, Don Liloia, NYWaterway

Vessel tracking, David Hewson, Vesseltracker, Hamburg

Early detection of smoke and fire, Rick Jeffress, Fike

Google Glass Nav, Martha Grabowski, LeMoyne/RPI

Telematics and maritime insurance, John Miklus, American Institute of Marine Underwriters

5:00 - 5:20 p.m. **Student Awards Ceremony**

Farn Sritrairatana, Executive Director, Chao Phraya Express Boat, Co. Ltd. Presents awards to: Student awardees, 4th International Design Competition for a Safe Affordable Pax Ferry for Bangkok

5:20 - 6:50 p.m. **Reception, dockside Pier A**

6:50 - 7:15 p.m. **Walk to Whitehall Ferry terminal**

7:20 - 8:20 p.m. **Ferry Departs for Sunset cruise, Staten Island Ferry, On VIP Weather Deck**

Friday May 12, 2017

Multiple venues

8:00 - 9:30 a.m. **Whitehall Staten Island Ferry Office** (ID required)

Breakfast

Joint meeting of TRB Ferry and Marine Safety Committees, Stephanie Camay and Todd Ripley, presiding

Safety culture analysis to improve operations, Todd Ripley, Marad; Kevin McSweeney, ABS; Brian Craig, Lamar University

Digitizing ferry safety analysis, Siyu (Cathy) Xu, Shanghai Jiao Tong University

9:30 – 10:15 a.m. Walk to World Financial Center Landing

10:15 – 10:40 a.m. **World Financial Center Landing**
Demonstration Mesh Network (PANYNJ and NYWW)

10:40 – 11:10 a.m. New York Waterway Ferry around lower Manhattan

11:10 – 11:30 a.m. **Pier 11, the Wall Street Pier**

Building the new NYC Ferry, Carl Wegener, Metal Shark

Planning the new NYC Ferry, James Wong, EDC

Operating the new NYC Ferry, Cameron Clark, Hornblower

11:30 – 1:30 p.m. ***The new NYC Ferry* – round trip to Rockaway**
Speakers accessible as above and others

2:00 p.m. **Battery Maritime Terminal,** *Governors Island*

Speaker Biographies



Russel M. Baja is the project manager for e-learning and the quality management representative of Archipelago Philippine Seafarers' Training Institute, the training arm of Archipelago Philippine Ferries Corporation. An educator who has specialized in leadership programs and curriculum design, with a Masters in Education he moved to the maritime industry to pursue his passion in training and human development.



Amit Bhowmick is the General Manager of Ferry Programs, in Port Authority of NY & NJ. His primary responsibility is to oversee the ferry operations of the PA contracted ferry services and provide technical guidance and support. Amit has Master's degree in Transportation Engineering from Wayne State University and a Master's in Public Administration from Fairleigh Dickinson University.



Cameron Clark heads Citywide Ferry Service for Hornblower and successfully brought the ferry service in ahead of schedule. Over the past 13 years, Cameron has managed Hornblower's emerging technology, heading development of the first hybrid passenger vessel in the U.S., the Hornblower Hybrid. He also oversaw development of Hornblower's ISO programs, garnering Hornblower leadership in ISO certifications. Cameron graduated California Maritime Academy as an M.E. and with an MBA from Carnegie Mellon University.



Captain James C. De Simone is NYC DOT Deputy Commissioner & COO of the Staten Island Ferry. Previously he held senior management positions in the high-speed ferry, towing, and marine industry transportation sectors, and in administration of SUNY Maritime. Captain DeSimone has sailed in all shipboard capacities including master and has served as port captain for various companies.



Martha R. Grabowski is the Distinguished McDevitt Chair in Information Systems at Le Moyne College and a Research Professor at Rensselaer Polytechnic Institute. Dr. Grabowski was designated a Google Glass Explorer in 2013 and is studying the impact of wearable, immersive augmented reality systems on human performance in safety-critical settings. A licensed former merchant ship officer and former LCDR in the U.S. Naval Reserve, Martha is a former chair and current member of the TRB Marine Board.



Murray Goldberg is the founder and CEO of Marine Learning Systems, a provider of learning management systems to prominent maritime operators across North America and Europe. Murray began as a faculty member at the University of British Columbia researching eLearning. He went on to launch the world's first successful LMS company, serving 14 million learners in 80 countries. Widely acknowledged as a key pioneer in the field of Learning Management Systems, Murray has received numerous international awards and has been invited to give over 250 presentations and keynote addresses around the world.



Commander Bill Grossman United States Coast Guard enlisted in October, 1997 and has been assigned to MSO Charleston, MSD Coram, Training Center Yorktown & Sector New York. As a qualified Marine Inspector & Investigator, he was assignedto Sector New York in 2011 as the Investigations Division Chief, thentransitioned as the Waterways Management Division Chief. Most recently,he is assigned as Director of Auxiliary for the First District, Southern Region, where he oversees more than 3,000 members.

David Hewson (B. Eng.) is the Antenna Network Manager of Genscape Vesseltracker, a leading provider of AIS vessel tracking. Founded in Hamburg, Germany, in 2006, the Vesseltracker service has since expanded to play a key role in port operations and shipping analysis around the world, a function for which David has played a leadership role.



Joe Hudspeth is Vice President of Business Development at All American Marine, Inc., a manufacturer of high-speed passenger ferries, excursion vessels, and work boats. He currently serves as a regional co-chairman for the Passenger Vessel Association, is a judge for the Worldwide Ferry Safety Association student design competition, and frequently speaks and writes on boat building issues.



Alejandro G. Ingente holds a Chief Mate license with 25 years on board experience on ocean going vessels. Working with the International Transportation Federation under All Japan Seamen's Union as representative. With Hyundai Heavy Industries as Marine Superintendent based in Abu Dhabi. With 2go Group Inc. as Designated Person Ashore Marine and presently as Designated Person Ashore and as the Manager of the Safety, Quality and Training of Archipelago Philippine Ferries Corporation.



Rick Jeffress ARM, CET, CFPS, is Director, Global Business Development – Fike Video Analytics has over 20 years of marine and land based special hazard fire protection systems experience and is currently Director of Global Business Development at Fike Corporation for video analytics and marine. Prior to that Rick was marine and offshore business development manager at Tyco for a number of years. He is NICET-certified at Level III in Fire Alarm Systems and Special Hazards Suppression Systems and is a Certified Fire Protection Specialist from the National Fire Protection Association.



Catherine Lawson is the Director of the Lewis Mumford Center/Albany Visualization and Informatics Lab (AVAIL). She researches advanced uses of archived ITS data and spatial analysis/GIS applications, including geo-spatial approaches to weather data, for planning/ analysis of freight, and transit, including ferry transport.



Donald J. Liloia is the principal of GGES, a consulting firm specializing in the planning/ operating of marine passenger transportation services. With three decades of experience in the marine and ferry industry in New York Harbor, Mr. Liloia held key positions with NY Waterway as Executive VP and COO. Previously he was Supervisor of Port Authority of NY/NJ Ferry Programs.



Mal McLaren, President/CEO of the McLaren Engineering Group has more than 42 years of engineering, design and inspection experience on marine and waterfront structures; and waterborne transportation facilities. He has designed and rehabilitated over 50 ferry facilities including those at Battery Park City, Port Imperial, Weehawken, East River Landings, and NYCDOT Ferry Facilities.



John A. Miklus is President of American Institute of Marine Underwriters (AIMU), a not-for-profit trade association representing and promoting the U.S. ocean marine insurance industry. John has over 30 years' experience in the ocean marine insurance and reinsurance business, He has taken a leadership role marine industry associations.



Jan van Ooijen joined Damen in 2007 as an engineer for the High Speed Craft Division. A few years later he started designing and developing ferries, translating the needs of ferry owners into practical designs. His latest project involved a fleet of small ferries for Damen's distinguished client in Abidjan, Ivory Coast.



Len Roueche is consultant to Förde Reederei Seetouristik (FRS) to help identify new ferry business opportunities. Prior he was CEO of Interferry, representing the worldwide ferry industry with 230 member companies from 35 countries; while there Mr. Roueche initiated the Ferry Safety Project with IMO and is on the board of the Worldwide Ferry Safety Association.



Joe Sienkiewicz is Chief of the Ocean Applications Branch of the NOAA/NWS Ocean Prediction Center. Joe received his B.S. in meteorology and oceanography from SUNY Maritime College and an MS in atmospheric science from the University of Washington. He sailed as mate and relief captain aboard tugboats based out of New York before attending graduate school. Joe has been with NOAA since the late 80's and has focused on marine weather forecasting.



Farn Sritrairatana is the Executive Director of Chao Phraya Express Boat Co., Ltd. a mass-transport riverboat operator along the Chao Phraya River in Bangkok. He also plays a vital role in the family real estate development business: including the riverside boutique hotel Riva Surya and Riva Arun; and Tha Maharaj riverside Community Mall; and is also a Strength and Conditioning Coach and owner of a Functional Training Facility in Bangkok.



Jan van der Vorm joined Damen in 2010 and is a manager responsible for all products and services in West Africa. He has successfully concluded the ferry project in the Ivory Coast.



Carl Wegener is responsible for business development of Metal Shark Boats' 25-acre Franklin LA shipyard in the ferry, fast crew, utility, entertainment and pilot boat markets. He has a diversified background in engineering, strategic planning and business development with over 25 years' experience in the ship and boatbuilding industry.



James Wong is a Vice President of NYC Economic Development Corporation and the Director of Passenger Transportation and Ferries. In this capacity, James led the planning and early implementation of the Citywide Ferry System, which recently launched. He is both a transportation planner and engineer with Master's degrees in both Civil Engineering and City and Regional Planning.



Dr. Roberta Weisbrod is Executive Director of Worldwide Ferry Safety Association, a not-for-profit organization dedicated to reducing ferry fatalities. She is also the Principal of Sustainable Ports, a planning consultancy for maritime transport. Previously she worked with NYSDEC and NYCEDC on harbor issues. She has published numerous maritime transport papers.

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Transportation Research Board 97th Annual Meeting

January 7–11, 2018 ▪ Washington, D.C.

Join 13,000+ transportation professionals at the TRB 97th Annual Meeting, January 7–11, 2018, in Washington, D.C.

The program will cover all transportation modes, with more than 5,000 presentations in nearly 750 sessions, addressing topics of interest to policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions.

Also, a number of sessions and workshops will focus on the spotlight theme for the 2018 meeting, *"Transportation: Moving the Economy of the Future."* The full 2018 program will be available online in November, 2017.

Plan now to attend. For more information, visit **www.trb.org/AnnualMeeting**.



Illustration courtesy of Bowsprite | Christina Sun

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Stevens Institute of Technology, Hoboken, NJ, USA

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Chris Mandalakis
Xingang Song
Luciano Triolo

The TK Foundation pays for travel and registration of other students including
Siyu Xu (Cathy) Shanghai Jiao Tong University, Shanghai, China

CONGRATULATIONS TO THE DESIGN COMPETITION AWARDEES



University of Liege, Liege, Belgium
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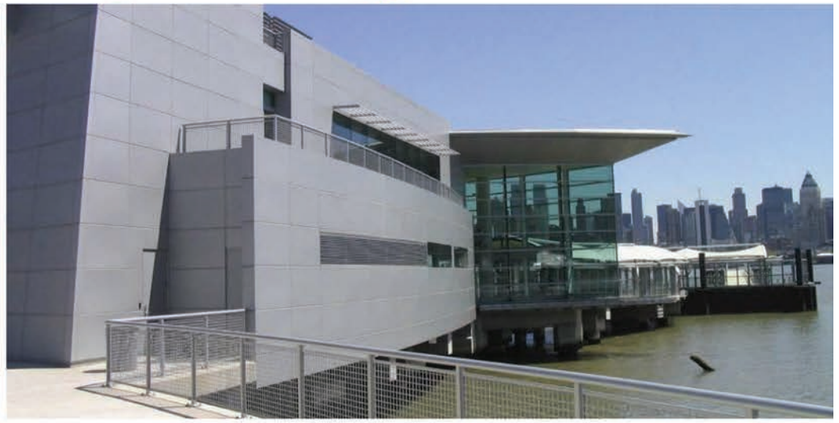
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