

## Wednesday, May 11, 2016

10:50 – 12:10 Technical Session 1

Session A-1 Coastal Hydrodynamics	Session B-1 Wave-Structure Interaction, Loading, and Response	Session C-1 Laboratory Technologies and Measurement Systems
<p><b>Climatic and Cyclone Induced Storm Surge Impact on Salinity Intrusion along the Bangladesh Coast</b> <i>Jakia Akter, Maminul Haque Sarker, Ioana Popescu, Dano Roelvink</i></p>	<p><b>Stability Analysis of the Sand Core Beneath Bonded Porous Revetments</b> <i>Sven Liebisch, Hocine Oumeraci</i></p>	<p><b>Wave Generation and Wave Measurements in the New Delta Flume</b> <i>Ivo Wenneker, Bas Hofland</i></p>
<p><b>Laboratory and Field Investigations of Wave Attenuation by Live Marsh Vegetation</b> <i>Weiming Wu, Yavuz Ozeren, Qin Chen, Ranjit Jadhav, Daniel Wren</i></p>	<p><b>Automatic Settlement Analysis of Single-Layer Armour Layers</b> <i>Bas Hofland, Marcel Van Gent</i></p>	<p><b>Optical Tracking of Water-Borne Debris in Laboratory Conditions</b> <i>Jacob Stolle, Ioan Nistor, Nils Goseberg</i></p>
<p><b>Depth-Averaged Flow Reconstruction in an Extremely Shallow Estuary</b> <i>Mahdi Razaz, Kiyosi Kawanisi, Ioan Nistor, Len Zedel</i></p>	<p><b>Analysis of Wave Overtopping Loads on Storm Walls at the Belgium Coast</b> <i>Maximilian Streicher, Corinna Hohls, Andreas Kortenhaus</i></p>	<p><b>Comparison between Methods for Creating DEMs of Physical Models</b> <i>James Sutherland, David Todd, Neil Crossouard, Tom Rigden Richard Rankine, Richard Whitehouse</i></p>
	<p><b>Laboratory Study of Drag and Inertia Forces on a Branched Coral Colony of <i>Acropora Palmata</i></b> <i>Juan-David Osorio-Cano, Andres Osorio, Hocine Oumeraci</i></p>	<p><b>Design of Powerful and Portable Multidirectional Wave Generator</b> <i>Andrew Cornett, Peter Laurich, Dan Pelletier, Enrique Gardeta</i></p>

## Wednesday, May 11, 2016

14:00 – 15:20 Technical Session 2

Session A-2 Sediment Transport / Scour	Session B-2 Wave-Structure Interaction, Loading, and Response	Session C-2 Coastal Field Measurement and Monitoring
<b>Transport of Nearshore Dredge Material Berms</b> <i>Duncan Bryant, Brian McFall</i>	<b>Wave Load Acting on Horizontal Plate Due to Bore</b> <i>Susumu Araki</i>	<b>UAV Technology Applications in Coastal Engineering</b> <i>Graham Frank, Josh Wiebe</i>
<b>Experimental Study on Wave-Induced Scour Around Pile Groups</b> <i>Saled Saiedi, Samaneh Hashemi, Amir Mansoori, Tetsuya Hiraishi</i>	<b>Interaction of Waves and Vertical Array of Slender Piles</b> <i>Lisham Bonakdar, Hocine Oumeraci</i>	<b>Accurate Seakeeping Monitoring for Floating Structure Deployment</b> <i>David Blanco, Lucía Meneses, Álvaro Álvarez, Raúl Guancho, Iñigo J. Losada, María F. Rodríguez De Segovia, Manuel Ruiz, Miguel A. Martín, María José Conde, Francisco Esteban</i>
<b>Morphologic Equilibrium Storm Recovery of St. Lucie Inlet, Florida</b> <i>Stephanie-Marie Dohner, Gary Zarillo</i>	<b>Wave-Induced Pressures and Hydraulic Stability of the Artha and Socoa Breakwaters, Saint-Jean-De-Luz (France)</b> <i>Nicolas Garcia, Pierre-Georges Anquetin, Cyril Marcol</i>	<b>Monitoring the Moin Beach to Control Morphological Changes Due the Construction of the Moin Container Terminal, Limon</b> <i>Henry Alfaro, Georges Govaere, Ronald Viquez</i>
	<b>Large-Scale Physical Model Tests to Determine Influence Factor of Roughness for Wave Run-Up of Channel Shaped Block Revetments</b> <i>Paul Van Steeg, Mark Klein Breteler, Yvo Provoost</i>	<b>Development of a Sensor-Based Dike Monitoring System for Coastal Dikes</b> <i>Holger Schüttrumpf, Till Quadflieg, Christian Grimm, Max Schwab, Verena Krebs</i>

**Wednesday, May 11, 2016**

15:50-16:50 Technical Session 3

<b>Session A-3</b> <b>Sediment Transport/Scour</b>	<b>Session B-3</b> <b>Wave-Structure Interaction, Loading, and Response</b>	<b>Session C-3</b> <b>Panel Discussion</b> Moderator: Susan Davidson
<b>Experimental Modeling of Supercritical Flows-Induced Erosion Around Structures</b> <i>Razieh Mehrzad, Ioan Nistor, Colin Rennie</i>	<b>Experimental Investigation of Hydrodynamic Characteristics of Twin Circular Submerged Floating Tunnel</b> <i>Sang-Ho Oh, Woo Sun Park</i>	
<b>Experimental Study on the Progression of Scour Around a Monopile in Unidirectional and Tidal Currents</b> <i>Alexander Schendel, Arndt Hildebrandt, Torsten Schlurmann</i>	<b>Inertial Measurement Unit to Determine Moored Vessels Movements</b> <i>Enrique Peña, Andrés Figuero, Juan Rabuñal, Alvaro Rodriguez, Jose Sande, Fernando Costa</i>	
<b>A Laboratory Study on Solitary Wave-Induced Mud Mass Transport</b> <i>Hadi Shamsnia, Mohsen Soltanpour, Tomaya Shibayama, Ryota Nakamura, Akijumi Tatekoji</i>	<b>Investigations of Wave Impact on Walls</b> <i>Jannette Frandsen, Olivier Tremblay, Regis Xharde</i>	

**Thursday, May 12, 2015**

9:20 – 10:20 Technical Session 4

Session A-4 Physical Modelling Case Studies	Session B-4 Coastal and ocean structures, breakwaters, revetments	Session C-4 Tsunami hydrodynamics, impacts and mitigation
<p><b>Physical Modelling of the Lakeview Waterfront Connection Project</b></p> <p><i>Scott Baker, Milo Sturm, Bruce Pinchin, Andrew Cornett</i></p>	<p><b>Hydraulic Experiment for Stability of Chi Blocks</b></p> <p><i>Taek Sang Kim, Young Hyun Park, Kyung-Duck Suh</i></p>	<p><b>Model of Solitary Wave over Bed Rising Using Navier Stokes Equations with Mapping Technique</b></p> <p><i>Alireza Lohrasbi, Moharram Pirooz</i></p>
<p><b>Optimisation of Guggenheim Abu Dhabi Detached Breakwaters by Physical Models</b></p> <p><i>Sylvain Perrin, Chris Keppers, Christian Seifart, Cyrielle Cayrol, Toby Johnson, Joao Goncalves</i></p>	<p><b>Hindsight is 20/20? A Review of Preliminary Empirical Seawall Design after Physical Modelling</b></p> <p><i>Ian Coghlan, James Carley, Ron Cox</i></p>	<p><b>Large-Scale Testing of Tsunami Impact Forces on Bridges</b></p> <p><i>Pedro Lomonaco, Denis Istratii, Tim Maddux, Ian Buckle, Solomon Yim, Tao Xiang</i></p>
<p><b>Physical Modelling to Support the Rehabilitation and Design Optimization of the Jetties at the Mouth of the Columbia River</b></p> <p><i>Paul Knox, Scott Baker, Gillian Millar, Brian Joyner, Hans Moritz, Lynda Charles</i></p>	<p><b>Critical Shear Stress of Silts and Clays Used in Levees During Floodwall Overtoppings</b></p> <p><i>Mehdi Mousavi, Abdolreza Osouli, Ergys Boraj, Francisco Lagunas</i></p>	<p><b>Inertial Forces on Shipping Containers from a Broken Tsunami Bore</b></p> <p><i>Nils Goseberg, Ioan Nistor, Jacob Stolle</i></p>

**Thursday, May 12, 2015**

10:50 – 12:10 Technical Session 5

Session A-5 Combined Physical and Numerical Modelling	Session B-5 Coastal and ocean structures, breakwaters, revetments	Session C-5 Tsunami hydrodynamics, impacts and mitigation
<p><b>Physical Scale and 3D-Numerical Model Simulations of Tidal Flow Hydrodynamics at the Port of Zeebrugge</b></p> <p><i>Wael Hassan, Marc Willems, Joris Vanlede</i></p>	<p><b>Probability of Failure of Monopile Foundations Based on Laboratory Measurements</b></p> <p><i>Tiago Fazeres Ferradosa, Francisco Taveira-Pinto, Richard Simons, Maria Teresa Reis, Luciana Das Neves</i></p>	<p><b>Experimental Modeling of Macro Roughness Effects on Tsunami-Induced Pressure in Idealized Urban Environments</b></p> <p><i>Tori Tomiczek, Adi Prasetyo, Nobuhito Mori, Tomohiro Yasuda, Andrew Kennedy</i></p>
<p><b>Physical Modelling and Non-Hydrostatic Numerical Modelling of Wave Propagation in a Wave Basin</b></p> <p><i>R.Y. Marmoush, R.P. Mulligan</i></p>	<p><b>Stepped Revetments - Revisited</b></p> <p><i>Nils-B. Kerpen, Torsten Schlurmann</i></p>	<p><b>Derivation Process of the Isbash Formula and its Applicability to Tsunami Overtopping Caisson Breakwaters</b></p> <p><i>Jun Mitsui, Akira Matsumoto, Minoru Hanzawa</i></p>
<p><b>Analytical Solution and Numerical Modeling of Sloshing Under Random Excitations</b></p> <p><i>Pengzhi Lin, Xin Jin</i></p>	<p><b>Stability and Damage of Tetrapod-Armoured Breakwaters</b></p> <p><i>Otavio Sayao, Renan Silva</i></p>	<p><b>Physical Experiments of Tsunami Runup and Force on Building Cluster Using a Hybrid Tsunami Generator</b></p> <p><i>Adi Prasetyo, Tori Tomiczek, Tomohiro Yasuda, Nobuhito Mori, Hajime Mase, Andrew Kennedy</i></p>
	<p><b>Uncertainty Parameters of the Measured and Calculated Wave Forces on the Perforated Caisson Breakwater</b></p> <p><i>Sang-Ho Oh, Seung-Woo Kim, Chang-Hwan Ji</i></p>	<p><b>Experimental Study of the Runup of Tsunami Waves on a Smooth Sloping Beach</b></p> <p><i>David McGovern, Ian Chandler, Tiziana Rossetto</i></p>

**Friday, May 13, 2016**

9:20 – 10:20 Technical Session 6

Session A-6 Combined Physical and Numerical Modelling	Session B-6 Laboratory Technologies and Field Monitoring	Session C-6 Wave Synthesis
<p><b>3D Physical Model Test of Perforated Cylindrical Vertical Breakwaters</b></p> <p><i>Alvaro Alvarez, Javier Lopez, Pedro Lomonaco, Sebastien Bernard, Charlie Vergnet</i></p>	<p><b>A Non-Intrusive Video Tracking Method to Measure Movement of a Moored Vessel in a Physical Model</b></p> <p><i>Johan Kieviet, Geoffrey Toms, Jatin Harribhai, Luther Terblanche</i></p>	<p><b>Relations of Wave Breaking Criteria with Spectral Structure of Waves</b></p> <p><i>Yana Saprykina, Sergey Kuznetsov</i></p>
<p><b>Test Study on 3-D Stability and Overtopping of Breakwater Under Random Wave Action</b></p> <p><i>Gao Feng, Zhuang Ci-Heng, Zhang Ci-Heng, Ge Long-Zai</i></p>	<p><b>Design Features of the Upcoming Coastal and Ocean Basin (COB) in Ostend, Belgium</b></p> <p><i>Andreas Kortenhaus, Peter Troch, Peter Devriese, Nicolas Silin, Varjola Nelko, Vicky Stratigaki, Jeroen De Maeyer, Jaak Monbaliu, Erik Toorman, Pieter Rauwoens, Dieter Vanneste, Tomohiro Suzuki, Tomas Van Oyen, Toon Verwaest</i></p>	<p><b>Investigation of Void Fractions and Bubble Plume Properties Under Breaking Waves</b></p> <p><i>Lian Tang, Onyx Wai, Pengzhi Lin</i></p>
<p><b>Richards Bay South Breakwater Roundhead Physical Model Study</b></p> <p><i>Kishan Tulsi, Cornelius Ruiters, Basil Ngcobo, Dorian Bilsse, Garin Morgan</i></p>	<p><b>Use of Drone Technology and Photogrammetry for Beach Morphodynamics and Breakwater Monitoring</b></p> <p><i>Georges Govaere, Ronald Viquez, Henry Alfaro</i></p>	<p><b>Surface Turbulence on Waves Propagating on Smooth and Rough Beds</b></p> <p><i>Davide Wüthrich, Michael Pfister, Pedro Manso, George Constantinescu, Anton Schleiss</i></p>

**Friday, May 13, 2016**

10:50 – 12:10 Technical Session 7

Session A-7 Physical Modelling Case Studies	Session B-7 Wave and Tidal Energy	Session C-7 Extreme Events
<b>Physical Modelling of Emergency Repairs to the Main Breakwater of Calshot Harbour on Tristan Da Cunha Island</b> <i>Johan Kieviet, Paul Bouton, Frans Van Eeden</i>	<b>Performance Enhancement of an Overtopping Based Wave Energy Converter</b> <i>Pedro Oliveira, Francisco Taveira-Pinto, Tiago Morais, Paulo Rosa-Santos</i>	<b>"Life Time" of Freak Waves: Experimental Investigations</b> <i>Sergey Kuznetsov, Yana Saprykina</i>
<b>Physical Modelling and Design of Shoreline Redevelopment on the South Coast of Barbados</b> <i>Seth Logan, Graham Frank, Ricardo Arthur</i>	<b>The Choice Experiment Approach Applied to Tidal Energy Funding</b> <i>Angela Vazquez, Gregorio Iglesias</i>	<b>Understanding Wave Generation in Pneumatic Tsunami Simulators</b> <i>Ian Chandler, William Allsop, Ignacio Barranco, David McGovern</i>
<b>Laboratory and Numerical Study of Waves in the Port Area</b> <i>Izmail Kantarzhi, Mark Zheleznyak, Maxim Sorokin</i>	<b>Combined Wave and Offshore Wind Energy for Maintenance Optimisation</b> <i>Sharay Astariz, Carlos Perez-Collazo, Javier Abanades Tercero, Gregorio Iglesias</i>	<b>Extremes in Hydraulic Modelling. Combined Capabilities in the Spanish Network MARHIS</b> <i>Agustin Sanchez-Arcilla, Iñigo Losada, Alvaro Alvarez, Daniel Gonzalez-Marco, Ivan Caceres, Javier Lopez Lara</i>
	<b>Testing of a New Tidal Power Extraction Device</b> <i>Derek Foran, Ioan Nistor, Abdolmajid Mohammadian</i>	<b>Coastal Erosion and Impact of Extreme Events Along the Belgian Coast</b> <i>Anne-Lise Montreuil, Jihane Elyahyoui, Margaret Chen</i>

**Friday, May 13, 2016**

14:00 – 15:20 Technical Session 8

Session A-8 Combined Physical and Numerical Modelling	Session B-8 Wave Run-up and Overtopping	Session C-8 Tsunami hydrodynamics, impacts and mitigation
<p><b>Parametrization of Wave Transformation Above Submerged Bar Based on Physical and Numerical Tests</b> <i>Dmitry Korzimin</i></p>	<p><b>Time Variation of Discharge in Individual Overtopping Waves</b> <i>Steven Hughes, Christopher Thornton</i></p>	<p><b>Laboratory Experiments on Rubble-Mound Breakwaters Under Tsunami Wave</b> <i>Íñigo Aniel-Quiroga, Javier López Lara, Mauricio González, Cesar Vidal, Francisco. Jaime, Álvaro Álvarez</i></p>
<p><b>Validation of a CFD Tool for Studying the Interaction of Extreme Waves with Offshore Gravity-Based Structures</b> <i>Hossein Babaei, Ivana Vouk, Scott Baker, Andrew Cornett</i></p>	<p><b>Experimental Study of Average Overtopping Performance on Steep Low-Crested Structures for Shallow Water Conditions</b> <i>David Gallach-Sanchez, Massimo Illegems, Yannick Willems, Peter Troch, Andreas Kortenhaus</i></p>	<p><b>Numerical Study on Stability for Tsunami and Earthquake of the Tsunami Evacuation Building with Piloti</b> <i>Yuki Ohki, Taro Arikawa</i></p>
<p><b>Numerical Simulations of Compressibility Effects in Free-Surface Flow Resulting from Wave Impacts on an Idealized Seawall</b> <i>Olivier Tremblay, Jannette Frandsen</i></p>	<p><b>Wave Overtopping Assessment in Very Shallow Water Conditions: The Equivalent Slope Concept</b> <i>Corrado Altomare, Tomohiro Suzuki, Toon Verwaest, Marc Willems</i></p>	<p><b>Propagation and Runup of Tsunamis Generated by Gravitationally Accelerated Granular Landslides</b> <i>Ryan Mulligan, Andy Take, Garrett Miller</i></p>
	<p><b>Laboratory Experiments for Wave Run-Up on the Tetrapod Armoured Rubble Mound Structure with a Steep Front Slope</b> <i>Sungwon Shin, Jong-In Lee, Young-Taek Kim</i></p>	<p><b>Laboratory Study on Tsunami Reduction Effect of Teizan Canal</b> <i>Shun Watanabe, Takahito Mikami, Tomoya Shibayama</i></p>