

# **Taiwan International Conference on Ocean Governance 2023 Agenda**

Date : May 25, 2023

Time	Agenda		
09 : 00 ~ 09 : 30	Registration		
09 : 30 ~ 09 : 50	<p style="text-align: center;"><b>Opening Ceremony</b></p> 1、 Branch Chief Thomas Wong, AIT Kaohsiung Branch Office 2、 Principal Ching-Yu Yang, National Kaohsiung University of Science and Technology 3、 Minister Bi Ling Kuan, Ocean Affairs Council		
09 : 50 ~ 10 : 30	<p style="text-align: center;"><b>Keynote Speech</b></p> Deputy Secretary-General of Taiwan Society of International Law Dr. Ting-Hui Lin The Prospects and Challenges of Taiwan-US Maritime Cooperation		
10 : 30 ~ 10 : 40	Coffee Break		
10 : 40 ~ 12 : 30	<p><b>Panel Discussion I</b></p> Moderator: Director, Dr. Chia-Dai Yen Marine Education	<p><b>Panel Discussion II</b></p> Moderator: Professor, Dr. Ta Kang Liu Marine Science & Technology	<p><b>Panel Discussion III</b></p> Moderator: Director, Dr. Chih-Wei Chang Ocean conservation
12 : 30 ~ 13 : 30	Lunch Break		
13 : 30 ~ 15 : 20	<p><b>Panel Discussion IV</b></p> Moderator: Associate Professor, Dr. Chi-Ting Tsai Maritime Safety & Security	<p><b>Panel Discussion V</b></p> Moderator: Honorary Professor, Dr. Forng-Chen Chiu Ocean Engineering	<p><b>Panel Discussion VI</b></p> Moderator: Professor Dr. Chung Ling Chen Marine Industry
15 : 20 ~ 15 : 30	Coffee Break		
15 : 30 ~ 16 : 00	Closing Ceremony		

Time	Agenda
10 : 40 ~12 : 30	<p style="text-align: center;"><b>Panel Discussion I Marine Education</b> <b>Moderator: Director, Dr. Chia-Dai Yen</b></p> <ol style="list-style-type: none"> <li>1. Bilingual Marine Education Promotion Approach and Teaching Strategies – An Example of SOP Teaching Method in Action Research. (Taiwan, R.O.C.)</li> <li>2. The Study on Design Marine Education Curriculum of an Adventure Education Instructor. (Taiwan, R.O.C.)</li> <li>3. The Marine Education Curriculum in Penghu County. (Taiwan, R.O.C.)</li> <li>4. Real and virtual marine experience to aquaphobia, ocean literacy, and marine environmental attitude. (Taiwan, R.O.C.)</li> <li>5. Marine experiential learning course on marine environmental awareness, ocean stewardship and pro-environmental behavior of school students. (Taiwan, R.O.C.)</li> <li>6. Marine education in Taiwan. (Taiwan, R.O.C.)</li> </ol>
10 : 40 ~12 : 30	<p style="text-align: center;"><b>Panel Discussion II Marine Science &amp; Technology</b> <b>Moderator: Professor, Dr. Ta Kang Liu</b></p> <ol style="list-style-type: none"> <li>1. Modeling pollution impacts on plankton ecology and biogeochemistry using rigorous in situ time-series data. (Philippines, Malaysia, Taiwan, R.O.C.)</li> <li>2. Recycling Pumice Waste as a Low-cost Swine Wastewater Filter System and Its Remedial Effects. (Taiwan, R.O.C.)</li> <li>3. Thraustochytrid (<i>Aurantiochytrium</i> sp.): The potential emerging platform for high-value Omega-PUFA. (India, Taiwan, R.O.C.)</li> <li>4. Developing a Low-Cost Microplastic Screening Station using Homemade Microfluidic Devices and Computer Vision for STEM Education in Secondary Schools. (Taiwan, R.O.C.)</li> <li>5. Optimize the co-culture condition of <i>Chlorella sorokiniana</i> and <i>Komagataeibacter europaeus</i>. (India, Taiwan, R.O.C.)</li> <li>6. Cost-effective extraction of proteins from red algae (<i>Porphyra yezoensis</i>) using various physical methods. (India, Taiwan, R.O.C.)</li> </ol>

<p>10 : 40 ~12 : 30</p>	<p style="text-align: center;"><b>Panel Discussion III Ocean conservation</b> <b>Moderator: Director, Dr. Chih-Wei Chang</b></p> <ol style="list-style-type: none"> <li>1. Accessing Cetacean Diversity from 20 Years of Citizen Science Data. (Taiwan, R.O.C.)</li> <li>2. Exploring the efficacy of university-driven partnerships in addressing ghost gear pollution: Lessons from Penghu Islands, Taiwan. (Taiwan, R.O.C.)</li> <li>3. Protecting marine resources and practicing sustainable fisheries. (Taiwan, R.O.C.)</li> <li>4. Efficiency of Miracle Hole as Fish Aggregating Device in Mangrove Ecosystems. (Philippines)</li> <li>5. Spatial and Temporal Distributions of Juvenile <i>Tachypleus tridentatus</i> in Kinmen, Taiwan. (Philippines)</li> <li>6. Development of mangrove nursery protocol in various substrates with notes on the early development of <i>Avicennia marina</i> and <i>Bruguiera cylindrical</i>. (Taiwan, R.O.C.)</li> </ol>
<p>13 : 30 ~15 : 20</p>	<p style="text-align: center;"><b>Panel Discussion IV Maritime Safety &amp; Security</b> <b>Moderator: Associate Professor, Dr. Chi-Ting Tsai</b></p> <ol style="list-style-type: none"> <li>1. Practical Application of Marine Environmental Monitoring in Taiwan. (Taiwan, R.O.C.)</li> <li>2. Beyond Border-Keepers: The Evolving Roles of East Asian Coast Guards. (United Kingdom)</li> <li>3. Indonesia's Political and Economic Interests as A Non Claimant State in the South China Sea Dispute. (Indonesia)</li> <li>4. Development of a Maritime Emergency Management Training Course. (Thailand)</li> <li>5. Promoting Maritime Domain Awareness &amp; Marching Forward to Our Ocean Era. (Taiwan, R.O.C.)</li> <li>6. Using Emerging Technology to Improve Law Enforcement Efficiency of Marine Protected Areas in Taiwan—Lessons Learned from Belize. (Taiwan, R.O.C.)</li> </ol>
<p>13 : 30 ~15 : 20</p>	<p style="text-align: center;"><b>Panel Discussion V Ocean Engineering</b> <b>Moderator: Honorary Professor, Dr. Forng-Chen Chiu</b></p> <ol style="list-style-type: none"> <li>1. Generalized simple model for predicting the modulus degradation and strain accumulation of sand subject long-term undrained cyclic loading. (Taiwan, R.O.C.)</li> <li>2. The Development and Prospect of O-RAN Integrated LEO Satellite Communication System for Marine Vessel. (Taiwan, R.O.C.)</li> </ol>

	<p>3. Microplasma Engineering of Photothermal Water Nanogenerators with Porous Graphene Quantum Dot-MXene Nanocomposites by Membrane Seawater Distillation. (Taiwan, R.O.C.)</p> <p>4. How Governments Can Make Offshore Wind Power Developers Willing to Take Responsibility for Marine Pollution Compensation Explored by Game Theory. (Taiwan, R.O.C.)</p>
<p>13 : 30 ~ 15 : 20</p>	<p style="text-align: center;"><b>Panel Discussion VI Marine Industry</b> <b>Moderator: Professor, Dr. Chung Ling Chen</b></p> <p>1. Sustainable Coastal Zone Management in Bangladesh: A Blue Economy Perspective through Remote Sensing data. (USA, Bangladesh)</p> <p>2. Insights into the impact of R&amp;D investment, oil price, and exchange rate on port productivity: Case in Taiwan. (Vietnam, Taiwan, R.O.C.)</p> <p>3. Research on sustainable fish-eating cognition and consumption behavior prompted by sustainable aquaculture industry education. (Taiwan, R.O.C.)</p> <p>4. Bioprocess development to enhance biomass and astaxanthin production from <i>Chlorella zofingiensis</i>. (India, Taiwan, R.O.C.)</p> <p>5. The Baltic Dry Index Prediction Using Neural Network Approaches. (Vietnam, Taiwan, R.O.C.)</p> <p>6. Value Chain Analysis of High-Valued Dried Fish Products in Sagay City, Negros Occidental, the Philippines. (Philippines)</p>