ATW-2026 will be held in conjunction with the 2026 CFI Annual Symposium and the 6th International Symposium on Water Disaster Mitigation and Water Environment Regulation. The program begins with a joint opening session on the morning of October 21, 2026, followed by dedicated sessions exclusively for ATW-2026.

Venue

1 Punggol Coast Road,
Singapore 808608

Day 1 (AM): SIT Ho Bee Auditorium

Day 1 (PM): SR204 (E2-02-07)

Day 2: SR343 (E6-03-16)

DAY 1: Wednesday, 21 October 2026

Symposium Joint Plenary Program

Time	Speaker	Title
09:15 - 09:25	**Professor Adrian Law** *Executive Director, Coastal Protection and Flood Resilience Institute (CFI) Singapore*	Welcome Remarks
09:25 - 09:35	**Ms Goh Hanyan** *Guest-of-Honour, Senior Parliamentary Secretary for the Ministry of Sustainability and the Environment & the Ministry of Culture, Community and Youth*	Opening Address
09:35 – 09:45	**Photo-taking with Guest-of-Honour**	
09:45 – 10:25	**Professor Philip Liu** *Cornell University*	Effects of Hydraulic Conductivity of Coastal Forest on Wave Propagation and Attenuation
10:25 – 11:05	**Professor Ioan Nistor** *University of Ottawa*	From Hard- to Soft-Protection Methods for Tsunami Survivability: A Scalable Framework for Calibration and Validation of a New Agent-Based Evacuation Model for Coastal Hazards
11:05 – 11:45	**Professor Qiuhua Liang** *Loughborough University*	High-Performance Modelling and Digital Technologies for Flood Resilience
11:45 – 12:45	**Lunch at Auditorium Foyer**	

Asia Tsunami Workshop 2026 Program

21 - 22 October 2026

DAY 1: Wednesday, 21 October 2026

Oral Presentations – General Session

Time	Speaker	Title
Chairs: Harry Yeh, Davide Wüthrich		
13:30 - 13:50	Kenji Satake *National Central University*	Recurrence Interval of Giant Earthquakes and Tsunamis in the World
13:50 - 14:05	Giorgio Bellotti *Roma Tre University*	Three-Dimensional Modal Analysis of Landslide-Generated Tsunamis
14:05 - 14:20	Maarten van Ormondt *Deltares*	Non-hydrostatic SFINCS: reduced-complexity modelling of tsunami propagation, run-up and compound coastal flooding
14:20 - 14:35	Ignatius Ryan Pranantyo *Nanyang Technological University*	Which Seismicity Parameters Control Tsunami Hazard? An ETAS-Based Sensitivity Analysis for Southern Java, Indonesia
14:35 - 14:50	Saulo Mendes *Nanyang Technological University*	Fully nonlinear effects of breaking on the stochastic properties of extreme waves propagating over a submerged breakwater
14:50 - 15:05	Yaoqiu Kuang *Jinan University*	Decoding a South China Sea Tsunami Disaster from the Textual Fissures in the Book of Han
15:05 - 15:20	Yanchong Duan *National University of Singapore*	Energy loss of two successive solitary waves breaking on a sloping beach
15:20 - 15:35	Shuo Liu *National University of Singapore*	Breaking Onset and Energy Dissipation of Solitary Waves over an Abrupt Depth Step
15:35 - 15:50	**Tea Break**	
Chairs: Nils Goseberg, Haijiang Liu		
15:50 - 16:10	Toshitaka Baba *Tokushima University*	Characteristics of Outer-rise Earthquakes and Tsunamis Inferred from Marine Observations and Numerical Simulations
16:10 - 16:25	Irina Rafliana & Biswanath Dash *University of Bonn & BRIN Indonesia*	Toward a Pluriversal Science of Tsunami
16:25 - 16:40	Davide Wüthrich *Delft University of Technology*	On the Incipient Motion of Negatively Buoyant Debris during Tsunamis
16:40 - 16:55	Sheng Yan *Dalian Maritime University*	Laboratory Investigation of Local Scour at a Vertical Seawall under Dam Break-Generated Tsunami Bores
16:55 - 17:10	Elaine Tan Hui Zhi *Nanyang Technological University*	Regional Probabilistic Tsunami Hazard Assessment for Southeast Asia: Insights from the Southern Manila Trench
17:10 - 17:25	Biswanath Dash *BITS Pilani Hyderabad Campus*	Integrating Tsunami Early Warning System into a ‘Multi-Risk EWS’
17:25 – 17:40	Dede Tarwidi *Telkom University*	Development and validation of a reduced multi-layer non-hydrostatic model for tsunami generation by submarine landslides
18:00 – 21:00	**Networking Dinner (Paid Event)**	

DAY 2: Thursday, 22 October 2026

Oral Presentations – General Session

Time	Speaker	Title
Chairs: Xiaoming Wang, Sungwon Shin		
09:00 - 09:20	Amin Chabchoub *Imperial College London*	Extreme Wave Group Shoaling into Shallow Waters
09:20 - 09:35	Maryam Mohammadpour *Cal Poly Maritime Academy*	FUNWAVE-TVD Modeling of Harbor Resonance Response to the 2025 Mw 8.8 Kamchatka Tsunami Along the US West Coast
09:35 - 09:50	Alamsyah Kurniawan *Institut Teknologi Bandung*	Introduction of Pandanus as a Coastal Vegetation for Tsunami Mitigation: A Comparative Field Survey in Yogyakarta
09:50 - 10:05	Riski Kurniawan *National Research and Innovation Agency*	An efficient non-hydrostatic numerical model for subaerial granular landslide-generated waves
10:05 - 10:20	Putu Veri Swastika *Universitas Udayana*	Simulating Tsunami-Like Waves using Hydrostatic and Non-Hydrostatic Models for Coastal Mitigation in South Bali
10:20 - 10:35	Yan Li *University of Bergen*	An energy-exact time integrator for the decay of far-field tsunami energy
10:35 - 10:45	**Tea Break**	
Chairs: Philip Liu, Giorgio Bellotti		
10:45 - 11:05	Ioan Nistor *University of Ottawa*	Development of new scour provisions for the ASCE-7 standard for tsunami-resistant infrastructure
11:05 - 11:20	Sungwon Shin *Hanyang University*	Toward an Integrated Tsunami Research Framework: From Real-Time Detection to Structure-Scale Impact Assessment
11:20 - 11:35	Jean Roger *Earth Sciences New Zealand*	How can tsunami models be more constrained? SWOT satellite altimetry records of 2D tsunami snapshots are taking tsunami science to the next level
11:35 - 11:40	**Preparation for Enlightening Pitches and Best Student Presentation Competition**	

DAY 2: Thursday, 22 October 2026

Oral Presentations – Enlightening Pitches and Best Student Presentation Competition

Time	Speaker	Title
Chairs: Yu-Lin Tsai, Dong Wang		
11:40 - 11:45	Kong Zhi *Zhejiang University*	A Semi-Analytical Solution for the Surge Impact on an Inclined Wall
11:45 - 11:50	Xiao Cao *Zhejiang University*	Dam-break Flow: a Revisit of the Classical Ritter and Stoker Solutions
11:50 - 11:55	Shutian Wang *Zhejiang University*	Solitary Wave Evolution over Irregular Bathymetry and its Linear Substitution
11:55 - 12:00	Ming-Jen Lo *National Central University*	Constraining the Fault Geometry of the 2024 Mw 7.4 Hualien Earthquake Using Near-Field Tsunami Records
12:00 - 12:05	Raisya Azzahra *Hanyang University ERICA*	Identification of Harbor Natural Period and Tsunami-Induced Resonance Along South Korea East Sea Coast from the 2024 Noto Peninsula Tsunami
12:05 - 12:10	Kuya Masuda *Chuo University*	Probabilistic Tsunami Hazard Assessment of Submarine Landslide Tsunamis in Marmara Sea
12:10 - 12:15	Baiqiao Hao *Sun Yat-sen University*	Assessing Tsunami Hazards in Hong Kong Ports: The Critical Role of Tsunami-induced Currents
12:15 - 12:20	Kazuki Tsuganezawa *Chuo University*	A Coarse-to-Fine Strategy for Efficient Regularization Parameter Selection in Adjoint-Based Tsunami Source Estimation
12:20 - 12:25	Rena Naito *Chuo University*	VR-Based Tsunami Evacuation Training System Using a 3D Urban Model
12:25 - 12:30	Lunpu Tian *Chuo University*	A Study on a Machine-Learning-Based Method for Tsunami Hazard Assessment in the Sea of Marmara
12:30 - 12:35	Kaito Suzuki *Chuo University*	Investigation of Submarine Landslide Motion and Tsunami Generation Characteristics Using a Two-Layer Model Based on Hydraulic Model Experiments
12:45 – 13:45	**Lunch Break**	

DAY 2: Thursday, 22 October 2026

Oral Presentations – Phil's 80th Birthday Honoring Session

Time	Speaker	Title
Chairs: Pengzhi Lin, Kuang-An Chang		
14:00 - 14:20	Harry Yeh *Chuo University*	Evolution of Tsunami-Like Waves Perturbed by a Longitudinal Sill: Part II
14:20 - 14:40	Nils Goseberg *Technische Universität Braunschweig*	Interaction of tsunami waves with the built environment: large-scale testing of rigid and collapsing structures
14:40 - 15:00	Hua Liu *Shanghai* Jiao Tong University	Extreme Storm Surge Scenarios and Climate Change Adaptation for Shanghai
15:00 - 15:15	Ignacio Barranco Granged *Technology Centre for Offshore and Marine, Singapore*	Wave Gauges Placement Optimization for Reflection Analysis
15:15 - 15:30	Tso-Ren Wu *National Central University*	Three-Dimensional Simulation of Tsunami-Bore Scour with Front Cylinders and Spheres
15:30 - 15:40	**Tea Break**	
Chairs: Tso-Ren Wu, Yuzhu Pearl Li		
15:40 - 15:55	Solomon C Yim *Oregon State University*	Hamiltonian Mechanics of Nonlinear Water Waves and Nonlinear Wave Structure Interactions
15:55 - 16:10	Yun-Ta Wu *National Cheng Kung University*	Non-decaying dam-break bores and their applications in swash hydrodynamics
16:10 - 16:25	Dong Wang *Dalian Maritime University*	Physical Model Investigation of Tsunami-Bore-Induced Local Scour around a Nearshore Cylinder
16:25 - 16:40	Syamsidik *TDMRC Universitas Syiah Kuala*	Developing Earthquake and Tsunami Risk Database for Ambon Bay, Eastern Indonesia: Addressing Challenges at the Local Level
16:40 - 16:55	Taro Arikawa *Chuo University*	Tsunami Evacuation Guidance for Tourists: Evaluating Lifeguard Movement and Destination Assignment in Kamakura, Japan
16:55 - 17:10	Haijiang Liu *Zhejiang University*	Air Cavity Effect on the Impact Pressure of Dam-break induced Bore Overtopping on a Dike Crest
17:10 - 17:25	Yu-Lin Tsai *National Yang Ming Chiao Tung University*	Wave Attenuation Prediction Using a Fully Nonlinear Boussinesq Model: Example of Rhizophora Mangroves
17:25 - 17:40	Xiaoming Wang *Tsinghua University*	Tsunami Hazard from Offshore Volcanoes: A Case Study in the East Sea of Korea
17:40 - 17:55	Kuang-An Chang *Texas A&M University*	Coastal Bathymetry Retrieval Using Unmanned Aerial Systems
17:55 - 18:20	**Conference Closure & Award Ceremony Announcement of Best Poster Award and Best Presentation Award**	

POSTER PROGRAM

Poster Presentations - Best Student Poster Competition

Poster	Presenter	Title
P1	Shanwu Chen *Sun Yat-sen University*	Machine Learning for Efficient Tsunami Inundation Forecast in Pagadian City, Philippines
P2	Niu Cheng *Sun Yat-sen University*	Tide-Tsunami Coupled Hazards in the Guangdong-Hong Kong-Macao Greater Bay Area
P3	Yan Liu *The Hong Kong Polytechnic University*	Future tsunami evacuation risk under sea-level rise and population aging in dense coastal city
P4	Hanruizi Yu *Sun Yat-sen University*	Tsunami Hazard Generated by Earthquakes from the Banda Detachment Fault in Eastern Indonesia
P5	Anyifang Zhang *Southern University of Science and Technology*	A Globally Applicable Modeling Method for Projecting Compound Flooding Induced by Tropical Cyclones in Delta Regions
P6	Shota Amo *Tokushima University*	Slip Distribution of the 2024 Hualien Earthquake Estimated from Ocean-Bottom Pressure Gauge Data
P7	Qiwen Luo *Beijing University of Technology*	Advanced numerical and intelligent computational technologies for coastal slope stability