

WORKSHOP ON

MARINE SCIENCE AND SUSTAINABLE DEVELOPMENT

Workshop Date: November 14-15, 2025

Location: University of Science, VNU-HCM

No. 227 Nguyen Van Cu Street, Cho Quan Ward, Ho Chi Minh City, Vietnam

SESSION 1: MARINE SCIENCE AND SUSTAINABLE DEVELOPMENT

Chairman: Prof. Piotr Zieliński, Dr. Le Dinh Mau

Time	Abstract's Title
08:00 – 08:45	REGISTRATION
08:45 – 09:00	OPENING CEREMONY <i>Tran Minh Triet</i> Vice President, University of Science, VNU.HCM, Vietnam
09:00 - 09:15	SAILING THROUGH SCIENCE: THE 20-YEAR JOURNEY OF OMH@HCMUS <i>Vo Luong Hong Phuoc</i>
09:15 - 09:30	FROM TAIWAN TO VIETNAM: ADVANCING COASTAL MONITORING WITH INDIGENOUS HF RADAR DEVELOPMENT <i>Hwa Chien</i>
09:30 - 09:45	GLOBAL TRENDS IN OCEANIC FRONTS: IMPLICATIONS FOR MARINE ECOSYSTEMS <i>Andrew Fischer, Kai Yang, Phuc TD. Le</i>
09:45 - 10:00	NO DATA, NO STORY: HIGH-PRECISION MEASUREMENTS IN MARINE CHEMISTRY (DMS AS EXAMPLE) ~ SURVIVE AND ADVANCE IN ANY ENVIRONMENT <i>Sohiko Kameyama</i>
10:00 - 10:15	MACHINE LEARNING APPLICATIONS: CLASSIFICATION AND REGRESSION <i>Quoc Pham</i>
10:15 - 10:45	GROUP PHOTO - TEABREAK

SESSION 2: MICROPLASTICS: FROM RESEARCH TO PREDICTION

Chairman: Prof. Sohiko Kameyama, Dr. Bui Thi Ngoc Oanh

Time	Abstract's Title
10:45 - 11:00	CHEMICALDRIFT - A NEW OPEN SOURCE OCEAN POLLUTION MODEL <i>Lars R. Hole, Manuel Aghito, Øyvind Breivik</i>
11:00 - 11:15	SURFACE WATER CONTAMINATION WITH MICROPLASTICS IN POLAND: TRENDS AND CHALLENGES <i>Piotr Zieliński, Karolina Mierzyńska</i>

11:15 - 11:30	MICRO PLASTICS: CLASSIFICATION and PREDICTION <i><u>Vo Luong Hong Phuoc</u>, Piotr Zielinski, Sohiko Kameyama, Lars R. Hole, OMH group</i>
11:30 - 11:45	DETECTION AND CLASSIFICATION OF MICROPLASTICS USING ARTIFICIAL INTELLIGENCE: CHALLENGES AND OPPORTUNITIES <i><u>Pham The Bao</u>, Le nhi Lam Thuy, Vu Ngoc Thanh Sang, Dat Trinh, Tran Quang Vinh, Dang Nguyen Quoc Duong, Tran Thi Chung, Le Nguyen Hoa Tien, Vo Luong Hong Phuoc</i>
11:45 - 12:00	INTEGRATING AI AND GIS FOR FORECASTING SALTWATER INTRUSION IN HO CHI MINH CITY, VIETNAM UNDER CLIMATE CHANGE <i><u>Vo Thi Kim Kieu</u>, <u>Pham Thi Tuyet Huyen</u>, <u>Nguyen Kim Loi</u></i>
LUNCH	

SESSION 3: FLUVIAL AND COASTAL PROCESSES

Chairman: Prof. Andrew M. Fischer, Assoc. Prof. Dang Truong An

Time	Abstract's Title
13:00 – 13:30	POSTER DISCUSSION Prof. Ewa Łupikasza, Institute of Earth Sciences, University of Silesia in Katowice, Poland Dr. Vu Tuan Anh, Institute of Oceanography, VAST, Vietnam
13:30 - 13:45	FORMATION MECHANISM OF SAND BAR IN CUA DAI - THU BON RIVER MOUTH <i><u>Vu Tuan Anh</u>, <u>Nguyen Thi Thuy Dung</u></i>
13:45 - 14:00	SUB-MESOSCALE FLOWS AND NEAR-INERTIAL MOTIONS IN THE MISSISSIPPI-ATCHAFALAYA RIVER PLUME IN THE GULF OF MEXICO <i>Pat Welch</i>
14:00 - 14:15	WATER RESOURCE CHARACTERISTICS OF THE MEKONG DELTA: CURRENT STATUS, CHALLENGES, AND SUSTAINABLE MANAGEMENT SOLUTIONS <i>Tran Dang An</i>
14:15 - 14:30	THE USE OF SAND ON A GLOBAL SCALE AND THE IMPACT TO THE MARINE ENVIRONMENT <i>Klaus Schwarzer</i>
14:30 - 14:45	COASTAL PROTECTION STRATEGIES WITH NATURE-BASED SOLUTION FOR CLIMATE CHANGE ADAPTATION IN COASTAL MEKONG DELTA <i>Le Xuan Tu</i>
14:45 - 15:00	SHIFTING TIDAL DYNAMICS IN THE MEKONG DELTA: UNRAVELING THE ACCELERATION OF TIDAL AMPLIFICATION AND ITS ANTHROPOGENIC ROOTS <i>Nguyen Cong Thanh, Tran Van Xuan, Nguyen Nghia Hung, Dang Truong An</i>
TEABREAK	
15:30 - 18:00	CELEBRATING THE 20TH ANNIVERSARY OF OCEANOLOGY, METEOROLOGY AND HYDROLOGY DEPT