

The 4th International Alumni Online Seminar on Disaster Prevention and Environment

Date: Saturday, March 1, 2025
 Time: 9:00 a.m. – 4:05 p.m. (JST/UTC+9)
 Organizer: Disaster Prevention and Mitigation Group (DPMG), Research Center for Local Resilience, Yamaguchi University
 Co-organizer: Department of Civil and Environmental Engineering, Faculty of Engineering, Yamaguchi University
 Venue: Zoom Meeting
 Convener: Prof. Koichi Yamamoto, Division of International Disaster Prevention, Disaster Prevention and Mitigation Group, Research Center for Local Resilience (DPMG), and Department of Civil and Environmental Engineering, Faculty of Engineering, Yamaguchi University

Program

JST/UTC+9	Session Activities
08:00-	Open Zoom Meeting for Speakers
08:50-	Open Zoom Meeting for General Participants
09:00-09:10	Opening Remarks Prof. Motoyuki Suzuki , Director, Disaster Prevention and Mitigation Group, Research Center for Local Resilience (DPMG), Yamaguchi University
9:10-11:30	Special Session “International Collaboration on Disaster Resilience and Environmental Conservation in Tropical Coastal Peatlands” Chair: Prof. Takahiro Osawa , Organization for Research Initiatives, Yamaguchi University
09:10-09:40	<i>“Peatlands on Small Islands: Lessons Learned from the Hydrological Degradation and Restoration in Eastern Sumatra, Indonesia”</i> Dr. Sigit Sutikno , Center for Peatland and Disaster Studies (CPDS), University of Riau
09:40-10:10	<i>“International Collaboration Research on Peatland Coast Disaster and Carbon Export in Bengkalis Island”</i> Prof. Koichi Yamamoto , Department of Civil and Environmental Engineering, Faculty of Engineering, Yamaguchi University
10:10-10:40	<i>“Formation of Tidal Flats in the Northern Coastal Region of Riau Province, Indonesia”</i> Mr. Yusaku Yoshii , Graduate School of Asian and African Area Studies (ASAFAS), Kyoto University and Prof. Osamu Kozan , Center for Southeast Asian Studies (CSEAS), Kyoto University
10:40-11:10	<i>“Atmospheric and Hydro-meteorological Observation in Tropical Peatlands in Indonesia and Its Practical Application to Fire Prevention”</i> Dr. Mariko Ogawa , Center for Southeast Asian Studies (CSEAS), Kyoto University
11:10-11:30	Discussion

11:30-13:00	Break
13:00-14:20	<p>Oral Presentation Session 1</p> <p>Chair: Prof. Shinichiro Nakashima, Department of Civil and Environmental Engineering, Faculty of Engineering, Yamaguchi University</p> <p>13:00-13:20 1. <i>“The Role and Current Status of the Graduate School of Engineering at Universidade Nacional Timor Lorosa’e”</i></p> <p>Prof. Masahiko Sekine (Professor Emeritus, Yamaguchi University, and Advisor for Establishing a Graduate School of Engineering at the UNTL)</p> <p>13:20-13:40 2. <i>“Understanding Geological Hazards Linked to Bobonaro Mélange Lithology towards the Infrastructural Development in Timor-Leste”</i></p> <p>Mr. Oktoviano Viegas Tilman de Jesus (Yamaguchi University)</p> <p>13:40-14:00 3. <i>“Initiative of using Digital Twin-BIM technology for Bridge management in Timor-Leste”</i></p> <p>Mr. Elfrido Elias Tita (Yamaguchi University)</p> <p>14:00-14:20 4. <i>“Probe Development for Measuring Capillary Fringe Groundwater Flow Velocity”</i></p> <p>Ms. Joaquina Belo Ornai (Yamaguchi University)</p>
14:20-14:40	Break
14:40-16:00	<p>Oral Presentation Session 2</p> <p>Chair: Prof. Koichi Yamamoto, Yamaguchi University</p> <p>14:40-15:00 5. <i>“Design Fabrication and Testing of a 3D Printer Polylactic Acid (PLA) Filament Recycle System”</i></p> <p>Ms. Ivanna Januario Pereira (Yamaguchi University)</p> <p>15:00-15:20 6. <i>“Investigating the Robust Pitch Angle for Constant-Pitch Flight Design in Unmanned Aerial Vehical-Based Photogrammetry Using Structure-from-Motion Without Ground Control Points”</i></p> <p>Ms. Ho Thanh Truc (Yamaguchi University)</p> <p>15:20-15:40 7. <i>“Multiple challenges for the sustainable development of coastal areas: a case study of Tam Giang - Cau Hai lagoon and Central Vietnam.”</i></p> <p>Assoc. Prof. Tran Thanh Nhan (University of Sciences, Hue University, Vietnam)</p> <p>15:40-16:00 8. <i>“Isolation, biocharacterization, and wastewater treatment potential of purple photosynthetic bacterial strain from Lap An Lagoon, Vietnam”</i></p> <p>Dr. Le Van Tuan (University of Sciences, Hue University, Vietnam)</p>
16:00-16:05	<p>Closing Remarks</p> <p>Prof. Koichi Yamamoto, Yamaguchi University</p>