

AIWEST-DR2021 Conference Report (2021/10/26-27)

Theme: 2004 Indian Ocean Tsunami, 2011 Great East Japan Earthquake, General disaster prevention, COVID-19 pandemic

Venue: Tsunami and Disaster Mitigation Research Center (TDMRC) at Syiah Kuala University, Banda Aceh, and online

IRIDeS and TDMRC held the 13th Aceh International Workshop and Expo on Sustainable Tsunami Disaster Recovery (AIWEST-DR2021) on October 26-27, 2021. AIWEST-DR was created by the Tsunami and Disaster Mitigation Research Center (TDMRC) at Syiah Kuala University, Banda Aceh, with the aim to share lessons from the historic human suffering and infrastructure damage and reconstruction that followed the 2004 Indian Ocean Tsunami. The 13th AIWEST-DR took place in Banda Aceh, and with global participation through the use of a online platform that notably celebrated Syiah Kuala University's collaboration with Tohoku University and other international partners.

The conference gathered more than 250 participants, many of which came from Indonesia. The first day consisted of four keynote lectures by Prof. Fumihiko Imamura (Director of IRIDeS), Prof. Rajib Shaw (Keio University), Dr. Safrizal Rahman (Syiah Kuala University) and Prof. Helene Joffe (University College London) on broad topics including tsunami disasters, disaster governance, disaster education and disaster psychology, of which all topics were also related to the COVID-19 pandemic. There was also a panel session of role of university consortium in mega disasters, and six special sessions on broad topics related to disasters on the first day.

The second day included oral presentations of over 100 submitted academic paper abstracts, organized into parallel sessions following 5 themes. 14 presentations were made by IRIDeS members, with five additional presentations that included IRIDeS members as co-authors. Assoc. Prof. Erick Mas (International Research Collaboration Office) received an award as one of the best presenters, together with two other presenters from Indonesia. In parallel, Prof. Shinichi Egawa (International Cooperation for Disaster Medicine Lab) was invited and participated in the focus group discussion on doctoral program in disaster science for future resilience.

AIWEST-DR 2021 was an opportunity to share current advances on research across a wide variety of topics related to disasters, recovery, and pandemics, with experts from different countries. The conference also highlighted various active international collaborations between universities in Indonesia, Japan, the U.K. The closing speech was made by Prof. Yuichi Ono (2030 Global DRR Agenda Office) on behalf of the Director of IRIDeS. The next AIWEST-DR is planned to be held in 2022 at the University of Sydney, Australia.

AIWEST-DR2021 Homepage for program and more information

<http://aiwest-dr.unsyiah.ac.id/2021/>

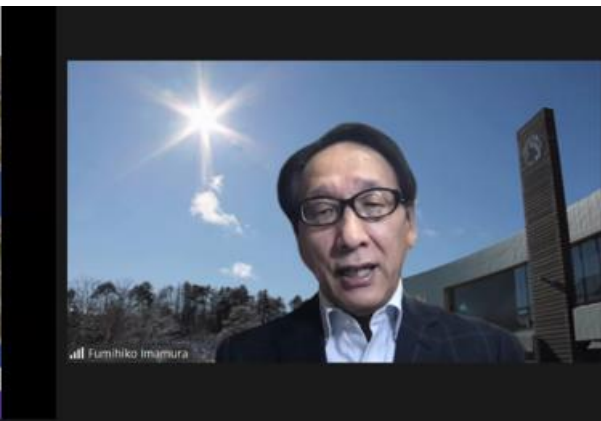
Presentations made by IRIDeS members

No.	Main Author	Title
1	<u>Shinichi Egawa</u>	Graduate programs in Tohoku University (GP-RSS, SyDE, and the Conductor Type Health Workforce Development)
2	Fumika Hirano	Numerical Simulation of Tsunami-Induced Geomorphological Changes and Sediment Transport in a Lagoon
3	<u>Julia Gerster</u>	Researching the Merits of Disaster Digital Archives in Education during the Covid-19 Pandemic in Japan: The Case of the Japan Disasters Digital Archive (JDA) and its Geolocation Function
4	<u>Mari Yasuda</u>	Developing DRR Lesson Package for Elementary School Teachers
5	<u>Tsukasa Iwata</u>	Research on Repair of Wooden Emergency Temporary Housing Built by Local Contractors after the Great East Japan Earthquake
6	Tomoki Nishida	Loss Functions of Port Industries Deriving from the 2011 Japan Disaster Affected Areas
7	Yunqiao Shao	The Relationship Between Contagion Paths of Coronavirus, Historical Regional Divisions, and Traffic Network – A Comparison of Fukushima Prefecture and Miyagi Prefecture
8	<u>Erick Mas</u>	Modeling Search and Rescue, Medical Team Response and Transportation of Patients in Ishinomaki City After Tsunami Disaster
9	<u>Daisuke Sasaki</u>	Tourists' Perception of Volcanic Disaster Risk Reduction: A Case Study of Mt. Aso in Japan
10	Fumiko Matsuzaki	Effect of the Covid-19 Pandemic on Health and Lifestyle Changes in Japan
11	<u>Anawat Suppasri</u>	Seismic And Non-Seismic Tsunamis In Sunda Strait: Evaluation of Current Observation System and Evacuation Planning
12	<u>Kwanchai Pakoksung</u>	Climate Change Induced Sea-Level-Rise Effect Increasing Probability of Building Damage at Community Scale for Future Tsunami Hazard in Thailand
13	<u>Elizabeth Maly</u>	People-Centered Disaster Recovery for Safer and Empowered Communities: A Comparison of Long-Term Outcomes of Housing Reconstruction Programs in Thailand, India, and Japan
14	Kosuke Fuji	Assessment of Future Tsunami Hazards from Japan Trench Coupling with Sea Level Rise Impact on Economic Risks using Input-Output Table

(IRIDeS faculty members)



Opening remarks by Prof. Dr. Samsul Rizal, M.Eng
Rector of Universitas Syiah Kuala (Left) and new TDMRC director, Dr. Syamsidik (Right)



Keynote lecture by Director of IRIDeS, Prof. Fumihiko Imamura



Closing remarks by Prof. Yuichi Ono