

APRU Multi-Hazards 2025 Summer School

29 July - 1 August 2025
at Tohoku University



The 10th APRU MH Summer School will be held on 29 July – 1 August at Tohoku University. This year's focus is **“Science, Technology, and Innovation in Disaster Risk Reduction (DRR): Applying Big Data and AI.”** Graduate students and young researchers interested in disaster risk reduction (DRR) and management are welcome to join this event.



Major objectives:

- Understand the mechanism of international DRR strategies
- Learn from the experiences and recovery from the 2011 Great East Japan Earthquake and Tsunami
- Understand the application of big data in DRR
- Discuss the major challenges and roles of academia in progressing disaster risk reduction in each country

Program (tentative):

Day 1: 29 July

Opening

Session 1: Lessons learnt from the Great East Japan Earthquake and Tsunami

Day 2: 30 July

Session 2: Experience and case studies by various stakeholders

Session 3: Group activity: learning from various DRR researches

Day 3: 31 July

Session 4: Applying big data and AI in DRR

Session 5: Group activity

Day 4: 1 August

Field trip to the affected site

Venue:

the International Research Institute of Disaster Science (IRIDeS), Tohoku University, Sendai, Japan



IRIDeS building, Tohoku University

APRU Multi-Hazards (MH) Program



The Program was launched in April 2013 by APRU and Tohoku University. The International Research Institute of Disaster Science (IRIDeS) of Tohoku University provides secretariat services and coordination support as the program hub. The main objectives are to harness the collective capacities of APRU Universities for cutting-edge research on disaster risk reduction (DRR) and to contribute to international policy-making discussions. (<http://aprumh.irides.tohoku.ac.jp/>) (<https://www.apru.org/our-work/pacific-rim-challenges/multi-hazards/>)



International Research Institute of Disaster Science (IRIDeS), Tohoku University

Having experienced the catastrophic disaster in 2011, Tohoku University founded the International Research Institute of Disaster Science (IRIDeS). The institute consists of six divisions that focus on both the humanities and the natural sciences, to participate in a multi-disciplinary and multi-layered approach to lead the studies of disaster science. Based on the lessons from the 2011 Great East Japan Earthquake and Tsunami disaster, IRIDeS aims to become a world center for the study of disaster science, learning from and building upon past lessons in disaster management from Japan and around the world.

Multi-Hazards Program Activities

- An annual Multi-Hazards Summer School, to share the lessons learned from severe disasters and to contribute to the development of regional disaster experts;
- Supporting the organization of the annual Research Symposium on Multi-Hazards
- Conducting collaborative research and sharing results and data among the APRU institutions;
- Contributing to international and regional discussions and DRR decision-making processes; and
- Promoting natural disaster preparedness capacity on university campuses

CONTACT INFORMATION FOR SUMMER SCHOOL 2025

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DEADLINE OF THE APPLICATION: 31 May 2025 *(The notification of the acceptance will be sent within a week from the deadline) For the applicants from the APRU member universities, please contact first your international office on your application.*

****Please note that no funding support to the participants is available***