

APRU Multi-Hazards Program

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APRU Multi-Hazards Program

- Established in April 2013. IRIDeS, Tohoku University hosts its Secretariat and provides the coordination and administrative services.
- The Core Group (12 members from *UC Davis, Univ. of Hawaii, Univ. of Chile, Chulalongkorn Univ., National Taiwan Univ., Univ. of Philippines, Tsinghua Univ., and Tohoku Univ.*) is a driving force and decision making body.

Main Objectives:

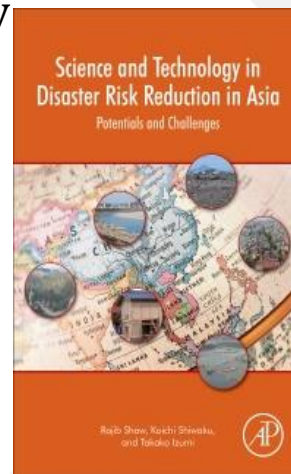
- Harness the collective capabilities of APRU universities for cutting-edge research on DRR
- Contribute to the international and regional discussions to make an influence in a DRR policy making process.



What impact the MH program made in the past year

RESEARCH: encouraging collaborative researches

1. **Book: Science and Technology in DRR in Asia:** Papers based on the abstracts presented at the APRU MH Symposium in 2016 at Kyoto University. It covers new research on the role of science in DRR and lessons learned when research has been applied
2. A new international journal: **Progress in Disaster Science (Elsevier)**
3. 30 innovations for disaster risk reduction / 30 innovations linking DRR with SDGs



EDUCATION: sharing experience and knowledge based on the experience of the Great East Japan Earthquake and Tsunami

1. **MH Summer school:** Nearly 50 students and faculty learned about the GEJE recovery and international DRR strategy.
2. **MH annual research symposium :** Hosted by a APRU member university. University of Indonesia will host the one in 2021.



Scope: *Why is this journal unique?*

The journal will emphasize on:

- 1) Holistic perspective on disaster research
- 2) Highlighting the overviews, case studies, and challenges regarding **the implementation of the Sendai Framework**
- 3) Multi-stakeholder and implementation oriented research

Advance call for Original Research Papers – Launch Volume and 2019 Issues

New Journal: Progress in Disaster Science Open Access

Editor-in Chief: Professor Rajib Shaw, Graduate School of Media and Governance, Keio University

Associate Editor: Dr Takako Izumi, the International Research Institute of Disaster Science (IRIDeS), Tohoku University / Director, APRU Multi-Hazards Program

Goal

Progress in Disaster Science is a new Gold Open Access Journal focusing on integrating research and policy in disaster research, and publishes:

- Invited Viewpoint articles focusing specifically on the advancement and implementation of the four priority areas of the Sendai Framework for Disaster Risk Reduction.
- Original Research Papers (author submissions) on disaster risk reduction; response; emergency management and recovery.

The inaugural Volume (and other early issues) will engage a diverse group of academics, senior policy makers, private sector and civil society practitioners – reflecting the key issues of disaster risk reduction and response/rehabilitation they are engaged in. The Inaugural Volume will be officially launched at the Global Platform for Disaster Risk Reduction in May 2019.

We are delighted to invite authors to submit their Original Research Papers in the Disaster Science field, especially those that cover new innovations and approaches (See scope below).

The key criterion is that all papers submitted should report substantial progress in the field.



**Fully Open Access:
No Article Publishing Charges
for Volumes 1 and 2**

What impact the MH program made in the past year

NEW COLLABORATION WITH PRACTITIONERS: strengthening the collaboration between academia and practitioners/policy makers

MOU between International Federation of Red Cross and Red Crescent (IFRC) and APRU:

- ✓ **Policy dialogue and advocacy** in relevant forums and key events.
- ✓ **Cross-collaboration** to co-host events or invite one of the parties to events led by other one.

CONTRIBUTION TO INTERNATIONAL DISCUSSION: bringing up the academic perspectives and voices to the discussions at higher levels

1. **2017 Global Navigation Satellite System (GNSS) early warning system workshop** (Sendai, Japan): NASA, UC Davis, IRIDeS
2. **Data Science Workshop** hosted by UC Davis in 2019
3. **UN Global Platform on DRR** (Geneva): the MH program organized two sessions: 1) Launch of Progress in Disaster Science and 2) 30 innovations for DRR.

NEW INITIATIVE:

Architecture and Urban Design for Disaster Risk Reduction and Resilience (ArcDR3): led by UCLA and IRIDeS. establish an international platform for the production and exchange of knowledge on environmental design that reduces the disaster risk and enhance resilience collaboration with 11 universities



Campus Safety Program

Objectives:

- Strengthen the disaster preparedness capacity on campus including different types of hazards not only natural but also biohazard, chemical hazard, etc
- Promote its importance at the international and regional levels

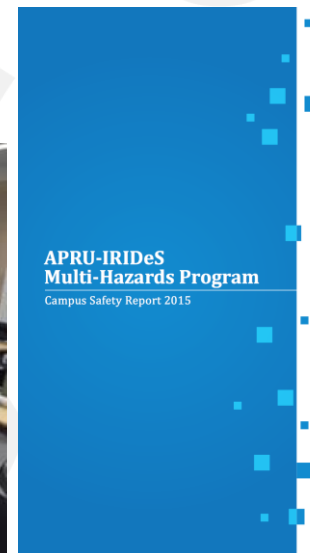
Activities:

- A survey on the current disaster preparedness status was conducted among the APRU universities
- The Campus Safety Workshop was held at IRIDeS, Tohoku University in February 2016 to share their experience and discuss how to overcome the challenges
- Collecting case studies of disaster response and recovery including the experience of COVID 19 pandemic

*Universities need to develop an adequate **disaster management plan** for responding to and recovering from any damage*



One of the recommended actions in the outcome document from the UNISDR Asia Science & Technology Conference on DRR



The MH program continues to:

- strengthen the research capacity of the APRU member universities in disaster science
- provide a learning opportunity for students and faculty members.
- work with other stakeholders such as practitioners, governments and the private sector to make the best use of the research outcomes in practice
- share scientific evidence for policy making

