

## **APRU Multi-Hazards Lecture Series: “Virtual Autumn School on Architecture and Urban Design for Disaster Risk Reduction and Resilience” (2021/10/19-21)**

Theme: APRU Multi-Hazards Program, Urban Disaster Risk, Urban Design, Resilience, Reconstruction

Venue: Online

Ten years have passed since the 2011 Great East Japan Earthquake which caused substantial damage to the coastal areas of Japan. After facing severe difficulties, the areas affected by the event have nurtured an enhanced community with recovered situation. Furthermore, looking at the entire globe, the effects of climate change and rising sea level caused by global warming cannot be ignored. Even more so now that disasters are increasingly dispersed.

Amidst such circumstances, “Virtual Autumn School on Architecture and Urban Design for Disaster Risk Reduction and Resilience” was held as a part of the APRU Multi-Hazards Program led by Tohoku University. A total of 22 participants from the International Joint Graduate Program in Resilience and Safety Studies (GP-RSS) at Tohoku University, and APRU universities including Kyoto University, University of the Philippines, and Chulalongkorn University participated.

The program was hosted by Professor Osamu Murao (International Strategy for Disaster Mitigation Lab), Professor Kimiro Meguro (Institute of Industrial Science, The University of Tokyo / Visiting Professor at IRIDeS), and Mr. Martin Garcia Fry (Ph.D. Student, Graduate School of Engineering, Tohoku University) as the moderator.

### Day 1 - Tuesday, October 19

Opening address and Orientation (Professor Murao)

Lecture 1: What is Urban Disaster Risk? (Professor Murao)

Lecture 2: Imagining Disasters (Professor Meguro)

Lecture 3: Importance of Damage Mitigation (Professor Meguro)

### Day 2 - Wednesday, October 20

Lecture 4: Architecture and Risk

(Associate Professor Miho Mazereeuw, Massachusetts Institute of Technology)

Lecture 5:

Cities and Risk: Assessing Urban Planning Systems for Disaster Risk Reduction Effectiveness

(Professor Alan March, The University of Melbourne)

### Day 3 - Thursday, October 21

Workshop: Disaster risk surveys using Google Earth, analysis of urban weaknesses, and proposals for disaster mitigation in highly vulnerable areas of Tokyo's Metropolitan city.

Report: Osamu Murao (International Strategy for Disaster Mitigation Lab)

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Event Flyer



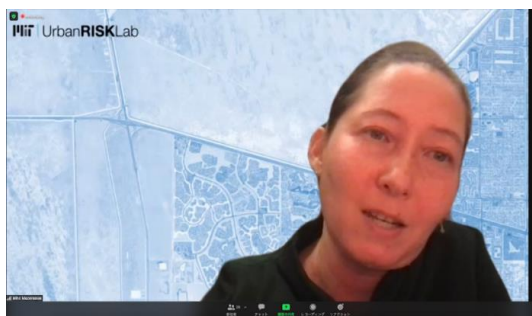
Prof. Murao, Program Host



Prof. Meguro, Co-Host



Mr. Garcia, Moderator



Lecture by  
Assoc. Prof. Mazereeuw



Lecture by Prof. March



Workshop



Participants

## Reference

APRU (the Association of Pacific Rim Universities)

<https://apru.org/>

APRU Multi-Hazards Event Announcement

<https://apru.org/event/2021-apru-multi-hazards-autumn-lecture-series-architecture-and-urban-design-for-disaster-risk-reduction-and-resilience/>