

2024 International Training Workshop on Smart Technology and Earthquake Risk Management

October 28 – November 2, 2024 | Taipei, Taiwan

Overview

The 2024 International Training Workshop (2024 ITW) on Smart Technology and Earthquake Risk Management will be held in person in Taipei, Taiwan, from October 28 to November 2, 2024. We warmly invite you to join us!

Since 2005, the National Science and Technology Center (NCDR) has hosted a series of International Training Workshops (ITWs), welcoming over 500 participants in the past, including national and local officials in mitigation and emergency management, planning professionals, representatives of nonprofit and humanitarian organizations, hazard researchers, and disaster practitioners.

This year, the 2024 ITW aims to empower the participants in seismic risk management by applying smart technology. The workshop will unite academics, practitioners, and emergency responders interested in smart technology and earthquake emergency management. Participants will share knowledge in seismic science and technology, learn about intelligent information platforms and tools, and attend invited talks on case studies of recent catastrophic earthquakes. They will also actively explore emergency response decision support systems and participate in tabletop exercises, fostering collaboration and shared learning.

Upon completion of the training program, the workshop is expected to inspire innovation and science-based technology focused on improving seismic risk management in Southeast Asia, South Asia, Pacific Island nations, and globally.

Venues

Room Yun, Great Skyview

12 Floor, No. 101, Bangka Blvd, Wanhua District, Taipei 10851 Taiwan

Accommodation

Caesar Metro Taipei

No. 167, Bangka Blvd. Wanhua District, Taipei 10851 Taiwan

2024 ITW Language

English

Tentative Programme

Day 1: Monday, October 28, 2024

Arrival in Taiwan

Day 2: Tuesday, October 29, 2024

09:00 – 09:30 Registration
09:30 – 10:00 Welcome remarks and 2024 ITW Introduction
10:00 – 10:30 Keynote Speech #1
10:30 – 11:00 Break
11:00 – 11:30 Keynote Speech #2
11:30 – 12:00 Keynote Speech #3
12:00 – 13:00 Lunch
13:00 – 13:50 Plenary #1 [Earthquake Impact Assessment]
13:50 – 14:40 Plenary #2 [Large-Scale Earthquake Scenario Analysis]
14:40 – 15:10 Break
15:10 – 16:00 Plenary #3 [Population Dynamics Analysis in Emergencies]
17:30 – 19:30 Dinner Banquet

Day 3: Wednesday, October 30, 2024

09:00 – 10:15 Case Study #1 [Japan: 2024 Noto Peninsula Earthquake]
10:15 – 10:45 Break
10:45 – 12:00 Case Study #2 [Taiwan: 2024 Hualien Earthquake]
12:00 – 13:00 Lunch
13:00 – 13:50 Plenary #4 [Decision Support System for Disaster Response]
13:50 – 14:40 Plenary #5 [AI Application on emergency management]
14:40 – 15:10 Break
15:10 – 16:00 Plenary #6 [Public Disaster Warning System and Smart Technology]

Day 4: Thursday, October 31, 2024

09:00 – 10:00 Site Visit #1 [Dispatch Center Office, New Taipei City Fire Department]
10:00 – 10:45 Commune
10:45 – 12:00 Site Visit #2 [Emergency Response Command Academy (ERCA)]
12:00 – 13:00 Lunch
13:00 – 14:15 Tabletop Exercise #1 [Earthquake Emergency Operation], ERCA
14:15 – 14:45 Break
14:45 – 16:00 Tabletop Exercise #2 [Earthquake Impact Scenarios], ERCA

Day 5: Friday, November 1, 2024

09:00 – 09:40 Site Visit #3 [Central Emergency Operation Center]
09:50 – 10:30 Site Visit #4 [NCDR]
10:30 – 10:45 Break
10:45– 11:30 Closing & Certification Ceremony
12:00 – 13:00 Lunch
13:00 – 16:00 Excursion [Taipei City]
16:00 Adjourn

Day 6: Saturday, November 2, 2024

Departure from Taiwan

Co-Organizers

The 2024 ITW is co-organized by NCDR and the New Taipei City Fire Department with the support of the National Science and Technology Council. For more information on the co-organizers, please visit:

- National Science and Technology Council (NSTC)
- National Science and Technology Center for Disaster Reduction (NCDR)

<https://ncdr.nat.gov.tw/>

- New Taipei City Fire Department

<https://www.fire.ntpc.gov.tw/PageDoc/Detail?fid=209&id=555>

Contact for Query

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*Explore more information about the past ITWs, please use the following links:

- <https://www.youtube.com/watch?v=4KN3xR8y8uc&t=3s>
- <https://www.ncdr.nat.gov.tw/Message/MessageView?itemid=5957&mid=95>
- <https://www.ncdr.nat.gov.tw/Message/MessageView?itemid=4781&mid=95>
- <https://www.ncdr.nat.gov.tw/Message/MessageView?itemid=4185&mid=95>

