


# TSER 2024

Remembering 20 Year

## Tsunami

 Khao Lak, Takuapa District,  
Phang Nga Province, Thailand.

### 11 December 2024

#### Disaster Preparedness Workshop for Schools

Learn about disaster preparedness through lectures and hands-on activities, featuring real tools such as the Gensai Pocket and engaging games designed to enhance knowledge and awareness of disaster safety.

### 12 December 2024

#### Field Visits

Explore significant sites impacted by the 2004 Indian Ocean tsunami, including memorials, museums, and shelters, while gaining insight into efforts to strengthen the resilience of affected communities.

### 13 December 2024

#### Symposium

Join our expert lecture on tsunamis, covering 20 years of research, future disaster preparedness strategies, and the collaborative efforts between Thailand and international partners to enhance tsunami safety.

**Venue:** Khao Lak Laguna Resort



Scan to Register



มีบริการแปลเนื้อหาภาษาต่างประเทศ  
เป็นภาษาไทยระหว่างงานประชุม

## 11 December 2024

### Disaster Preparedness Workshop for Schools

Ban Bang Niang School <sup>1</sup>	Wat Kom Nai Khet School <sup>2</sup>	Details
10:00 - 10:15	13:00 - 13:15	Pre-Survey on Workshop
10:15 - 10:45	13:15 - 13:45	Lecture on Disaster Preparedness
10:45 - 11:15	13:45 - 14:15	Gensai Pocket Workshop: Using a Hakaship
11:15 - 11:45	14:15 - 14:45	Stamp Rally: Disaster Awareness Game
11:45 - 12:00	14:45 - 15:00	Post-Survey on Workshop



TOHOKU UNIVERSITY



Dr. Yasuda Mari



Asst. Prof. Panjapa Sukkho



Assoc. Prof. Anawat Suppasri



Mr. Nattapon Trumikaborworn

Conveyors

## 12 December 2024

### Field Visits

08:30 - 10:00	Ban Nam Khem Tsunami Memorial Park <sup>3</sup>
10:00 - 10:30	Ban Nam Khem Tsunami Museum <sup>4</sup>
10:30 - 11:00	Tsunami Cemetery <sup>5</sup>
11:00 - 12:00	Tsunami Temporary Shelters <sup>6</sup> (At Bang Muang Subdistrict Administration Office)
13:00 - 14:00	Thailand Tsunami Museum <sup>7</sup>
14:00 - 14:30	Police Patrol Boat number 813 <sup>8</sup>
14:30 - 15:30	Tsunami Vertical Evacuation Shelters in Thailand <sup>9</sup> (At Ban Bang Niang and at the Pakarang Cape)
18:00~	Welcome Reception



Phang Nga

Venue: Khao Lak Laguna Resort

# 13 December 2024 Symposium

Join our expert lecture on earthquakes and tsunamis, covering 20 years of research, future disaster preparedness strategies, and the collaborative efforts between Thailand and international partners to enhance tsunami safety.

## Opening Ceremony

8:30 - 8:45



**Dr. Pattarawan Na Nakorn**  
Counsellor,  
Royal Thai Embassy, Tokyo



**Mr. Ozawa Haruka**  
Second Secretary,  
as the representative from the  
Embassy of Japan



**Dr. Wiparat Deeong**  
Executive Director, National Research  
Council of Thailand (NRCT)

## Keynote Topic



8:45 - 9:15

### 20th Overview on Earthquake and Tsunami Research in Thailand

Prof. Pennung Warnitchai, Asian Institute of Technology

## Session 1: Learning from the Past



9:15 - 9:45 (online)

### Trends in tsunami research over the past 20 years - Based on joint research between Japan and Thailand

Prof. Fumihiko Imamura, Tohoku University



9:45 - 10:15

### Bridging research and practice through collaboration between Thailand and Japan on tsunami disaster mitigation

Assoc. Prof. Anawat Suppasri, Tohoku University

Assoc. Prof. Kannapa Pongponrat Chieochan, Thammasat University



10:30 - 10:50

### Impact of the 2004 Sumatra-Andaman Earthquake on Southern Thailand and beyond

Asst. Prof. Helmut Josef Durrast, Prince of Songkla University



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## Session 1: Learning from the Past



CHIBA UNIVERSITY

10:50 - 11:10

**Future Earthquake and Tsunami Preparedness: Learning from a case study of Nankai Trough**

Prof. Fumio Yamazaki, Professor Emeritus, Chiba University



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11:10 - 11:30

**Effectiveness of DRR Education for elementary and junior high school students: Experience from 10 Years of Practice of the YUI Project delivery classes**

Dr. Yasuda Mari, Tohoku University

## Session 2: Tsunami Engineering for the future



11:30 - 11:45

**Enhancing Tsunami Resilience in Thailand by Multi-Agent Simulation**

Asst. Prof. Panon Latcharote, Mahidol University



11:15 - 12:00

**Development of tsunami decision support system for early warning in Thailand**

Prof. Anat Ruangrassamee, Chulalongkorn University

## Session 3: Safety Engineering for Preparedness



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13:00 - 13:20

**Introduction of Computational Safety Engineering Lab**

Prof. Kenjiro Terada, Tohoku University



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## Session 3: Safety Engineering for Preparedness



13:20 - 13:40

**The Development of High-Fidelity City-Scale Disaster Simulation Tool:  
Building Up from Historical Data Toward Disaster Mitigation**

Asst. Prof. Naruethep Sukulthanasorn, Tohoku University



13:40 - 14:00

**A Study on Disaster Response Using a Digital Model of the Inundation Disaster**

Assoc. Prof. Shuji Moriguchi, Tohoku University

## Session 4: Future Tsunami Resilience



14:15 - 14:30 (online)

**Technology for Disaster Education: Innovations in Resilience and Preparedness**

Assoc. Prof. Natt Leelawat, Chulalongkorn University



14:30 - 14:45

**Successful Community Recovery Efforts Post-Tsunami**

Asst. Prof. Titaya Sararit, Chiang Mai University



14:45 - 15:00

**Evolving Role of Thai Red Cross Nurses in Tsunami Preparedness**

Asst. Prof. Panjapa Sukkho, Srisavarindhira Thai Red Cross Institute of Nursing



15:00 - 15:15

**Preserving Memory and Promoting Preparedness**

Ratchaneekorn Thongthip, Senator and Director of Thailand Tsunami Museum



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## Session 5: Global and Local Actions



15:30 - 15:45

**Tsunami inundation risk simulation in Phuket, Thailand**

Prof. Masahiko Honzawa, Visiting Professor, Chulalongkorn University



UNIVERSITY OF  
PLYMOUTH

15:45 - 16:05

**MAKEWAVES: tsunami simulator collaboration on wave-structure interactions and runup**

Prof. Alison Raby, University of Plymouth



東京大学  
THE UNIVERSITY OF TOKYO

16:05 - 16:20

**Tools and Approaches for Consensus-building in Tsunami-prone areas**

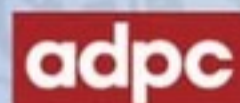
Dr. Yasmin Bhattacharya, University of Tokyo



16:20 - 16:35

**Regional Tsunami Warning Systems and the Trust Fund for Tsunami**

Temily Baker, United Nations Economic and Social Commission for Asia and the Pacific



16:35 - 16:50

**Tsunami Preparedness: Lessons and Insights from South Asia**

Mr. Md Nurul Alam, Asian Disaster Preparedness Center (ADPC)



16:50 - 17:05

**RIMES: Backup Tsunami Advisory Service for Asia and Africa**

Mr. Bojara Asvakittimakul, Regional Integrated Multi-hazard Early Warning System (RIMES)



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