

Pre-Registration  
**5<sup>th</sup> ICEEDM**  
 28-29 Sept. 2022  
 Yogyakarta, Indonesia

International  
 Conference on  
 Earthquake  
 Engineering and  
 Disaster  
 Mitigation

The 5<sup>th</sup> International Conference on Earthquake Engineering and Disaster Mitigation (ICEEDM) 2022 will be delivered in a hybrid event format, combining an in-person conference with a virtual online component. Participants for in-person conference are limited to 100 people, while online participants are not limited.

**Yes, I am interested in (please check):**

- Presenting papers in-person
- Presenting papers online
- Attending the Conference in-person
- Attending the Conference online
- Attending the Short Course (30 Sept '22)
- Sponsoring the exhibition

**Title (please check):**

- Prof.
- Dr.  Mrs.
- Mr.  Ms.

Family Name: -----  
 Given Name : -----  
 Position : -----  
 Organization/Company :-----  
 Address :-----  
 City :-----  
 Phone /Fax :-----  
 Email :-----

Please return this form by e-mail/[website](#) to secretariat

**ICEEDM 2022**

Secretariat : **c/o Angga Fajar Setiawan, Ph.D.**  
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Central Building, Universitas Gadjah Mada - Yogyakarta

**Location**

The conference will be held in **Yogyakarta**, the home town of **Universitas Gadjah Mada** and one of the most famous tourist destinations in Indonesia. It can be reached within 1.5 hour from the New Yogyakarta International Airport (NYIA).



Sultan Palace, Prambanan & Borobudur Temples (within 1 hour)

Sultan Palace, Prambanan Temple and Borobudur Temple are the most favorite tourist attractions in Yogyakarta which can be reached in about 1 hour from the UGM campus.

**Conference Venue :**



**Conference Hall,**  
 SGLC Building,  
 Faculty of Engineering  
 Universitas Gadjah Mada  
 Yogyakarta  
 Indonesia



Yogya EQ, Palu EQ, Mamuju EQ, Aceh EQ & Tsunami

**FIRST ANNOUNCEMENT AND  
 CALL FOR ABSTRACTS**

*The 5<sup>th</sup> International Conference on  
 Earthquake Engineering and  
 Disaster Mitigation (ICEEDM)*

*Commemoration 15 years of the 2006 Yogyakarta earthquake with more than 6200 deaths, one of the deadliest earthquake in Indonesia.*

*28-29 September 2022 (Conference)  
 30 September 2022 (Short Course)  
 Yogyakarta, Indonesia*

**Organized by:**

- **Indonesian Earthquake Engineering Association (IEEA/AARGI)**
- **Universitas Gadjah Mada (UGM) – Department of Civil & Environmental Engineering, Yogyakarta**



**Supported by:**

Universitas Gadjah Mada

- **International Association for Earthquake Engineering (IAEE)**
- **Institut Teknologi Bandung (ITB)**



- Universitas Islam Indonesia (UII);
- Universitas Atma Jaya Yogyakarta

## Introduction

Indonesia lies between the Pacific Ring of Fire and the Alpide belt that runs along the south and west from Sumatra, Java, Bali, Flores to Timor. Many strong earthquakes have occurred in Indonesia during the last decades and caused many casualties and damages on the infrastructures and lifeline facilities.

Among others, Yogyakarta Earthquake on 27 May 2006, magnitude of 6,2 Mw, depth 10 km, with 6234 deaths, more than 154,000 houses destroyed and 260,000 units experiencing damage, Aceh Earthquake & Tsunami on 26 December 2016, undersea megathrust earthquake, the third-largest ever recorded in the 21st century with magnitude of 9.1–9.3 Mw, depth 30 km below mean sea level, Lombok Earthquake on August 5 2018 with 563 dead and 1000 injured, magnitude of 6,9 Mw, depth 31 km, Palu Earthquake & Tsunami on 28 September 2018, a shallow, large earthquake with 4,340 dead and 10,679 injured, magnitude of 7.5 Mw, depth 20 km, and Mamuju Earthquake on 15 January 2021 with 108 dead and 3,369 injured, magnitude of 6,2 Mw, depth 18 km.

This conference is held to provide an opportunity to share experiences, disseminate the latest research and development results related to earthquake engineering, which will be very useful for increasing knowledge and disaster mitigation policies. It is hoped that this conference will be beneficial for all parties in order to minimize the risk of earthquake hazards in Indonesia and throughout the world.

## The topics include the following:

- New Directions of Earthquake Engineering Technology
- Structural Earthquake Engineering
- Structural Dynamics
- Performance-Based Design and Evaluation
- Case Histories in Recent Earthquakes
- Structural Assessment and Retrofit
- Experimental & Numerical Modelling
- Seismic Devices and Applications
- Retrofit of historical heritage buildings
- Geotechnical Earthquake Engineering

- Seismic Micro-zonation
- Soil Structure Interaction
- Seismic Hazard & Tsunami Disaster Mitigation
- Community-Based Disaster Risk Reduction & Management
- Early Warning System
- Post Disaster Recovery and Reconstruction
- Non-engineered Buildings
- Current Indonesian Design Codes/Guidelines

## Keynote Speakers:

- Prof. Koichi Kusunoki, Secretary General *International Association for Earthquake Engineering* (IAEE), under confirmation.
- Prof. Jonathan D. Bray (University of California, Berkeley, USA)
- Prof. Tony Yang (University of British Columbia, Canada)
- Prof. Hitoshi Tanaka (Tohoku University, Japan)
- Prof. Chung-Che Chou (National Taiwan University, NCREC – Taiwan)
- Prof. Rajib Shaw (Keio University, Japan)
- Prof. I Wayan Sengara (AARGI, Indonesia)
- Prof. Bambang Suhendro (Universitas Gadjah Mada, Indonesia)
- Prof. Krishna S. Pribadi (ITB, Indonesia)

## Invited Speakers:

- *Directorate General* of Human Settlements, Ministry of Public Works (under confirmation)
- Prof. H. Sarwidi (BNPB, Indonesian National Board for Disaster Management)
- Prof. Iman Satyarno (AARGI DIY, UGM)
- Prof. Priyo Suprobo (AARGI Jatim, ITS)
- Dr. Febrin Ismail (AARGI Sumbar, Unand)
- Dr. Sugeng Wijanto (AARGI DKI, Usakti)

## Short Course

A one day Short Course related to the seismic design and evaluation of structures will be held after the conference (30 September 2022).

## Call for Abstracts

Prospective authors are invited to submit extended abstracts (no more than 500 words) to website <http://iceedm.ugm.ac.id>. Selected papers will be published in Scopus indexed Conference Proceedings with additional fee of USD 80.

## Important Dates

Deadline for abstract submission : 21 April 2022  
Abstract acceptance notification : 30 April 2022  
Deadline for full paper submission : 30 June 2022  
Full paper acceptance notification: 31 July 2022  
Conference Dates : 28-29 Sep  
2022 Short Course : 30 Sep 2022

## Advisory Board :

Prof. Koichi Kusunoki, Secretary General *International Association for Earthquake Engineering* (IAEE)  
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Prof. I Wayan Sengara (AARGI, Indonesia)  
Prof. Teuku Faisal Fathani (UGM, Indonesia)  
Dr. Made Suarjana (AARGI, ITB, Indonesia)

## Organizing Committee :

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Angga Fajar Setiawan, Ph.D. – Vice Chairman

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