

First Circular

International Conference on Disaster Risk Mitigation

ICDRM 2017

**September 23-24, 2017
Dhaka, Bangladesh**

Organized by:

**BUET-Japan Institute of Disaster
Prevention and Urban Safety
&
Department of Civil Engineering**

**Bangladesh University of Engineering
and Technology**



Conference email: icdrm2017@gmail.com



BACKGROUND INFORMATION

Bangladesh University of Engineering and Technology (BUET) is the premier engineering institution of the nation with history of more than 69 years of Engineering Education in Bangladesh. BUET-Japan Institute of Disaster Prevention and Urban Safety (BUET-JIDPUS) is a new institute of BUET, founded in 2010 with initial financial support from Japanese government and through the initiative of Civil Engineering Department of BUET. Quoting the Ambassador of Japan to Bangladesh, *“The aim of this institute is to assist the government of Bangladesh to strengthen and maintain the infrastructures all over the country and to prevent and well manage natural disasters from the view point of Civil Engineering”*.

BUET-JIDPUS is located in its own 3-storied steel frame building having a 25 ft clear height structural testing space with 10 ton crane facility and 3 floors of working space. Progress has been made in developing its four laboratories: Earthquake Engineering Laboratory, Geotechnical & Geophysical Testing Laboratory, Non-Destructive Testing Laboratory, Computational & Simulation Laboratory. Installation of a 3mx3m servo-hydraulic shake table (seismic simulator) with 10 ton payload capacity and actuator testing facility have been completed during 2014-2016, experimental programs have recently been initiated. During 2014-2015, BUET-JIDPUS completed a project financed by USAid and NASA entitled “Developing Dynamic Web-GIS Based Early Warning System for the Communities at Landslide Risks in Chittagong Metropolitan Area, Bangladesh” which has earned the institution its first award “ICT for Mountain Development Award 2015” from the International Centre for Integrated Mountain Development (ICIMOD), Nepal.

The Department of Civil Engineering is the largest department of the university in terms of faculty

strength. Its reputation has been enhanced through its contribution to national infrastructure projects of critical importance and completion of projects financed by various international donor agencies (USAID, DFID, NSF-USA, EU, World Bank etc).

In October 2014, BUET-JIDPUS in association with Civil Engineering Department started another research project titled “Development of Post-Graduate Research and Degree Programs in Disaster Risk Reduction at New Institute on Disaster Prevention and Urban Safety” under Higher Education Quality Enhancement Project (HEQEP) of University Grants Commission Bangladesh with funding from World Bank. Through this project, BUET-JIDPUS has been developing its computational and simulation laboratory as well as improving its testing facilities. It has been collaborating with several national and international institutions. As one of the objectives of this project, BUET-JIDPUS in association with the Civil Engineering Department is organizing the 1st conference of this institute titled “**International Conference on Disaster Risk Mitigation 2017 (ICDRM 2017)**”.

The organizing committee of ICDRM 2017 is pleased to invite all concerned professionals to its first international conference. The specific aim of this conference is to bring the scientists, engineers, planners, disaster management professionals from Bangladesh and other countries of the world together in a common platform to present and discuss various topics related to disaster prevention, mitigation with a major focus on various aspects of civil engineering applications (including remote sensing) concerned with natural disasters. With your active participation, the conference is expected to facilitate dissemination of latest information and knowledge and exchange of experiences and ideas which will eventually complement our endeavours in mitigating the threat of disasters in Bangladesh and around the globe.

CONFERENCE THEMES

Main focus of the conference is on the application of engineering and technology for disaster risk assessment and mitigation. Social and policy aspects for the implementation of the mitigation procedures are also welcome. Conference topics include the following themes:

- Earthquake hazards
- Earthquake resistant structures
- Quantification and mitigation of effect of cyclone, tornado, floods, storm surge on structures
- Erosion control, slopes and land slides
- Experimental methods for structural vulnerability assessment
- Remote Sensing and GIS applications
- Emergency Response, Rescue and Recovery
- Climate change adaption strategies
- Education, Outreach & Cooperation
- Integrated disaster risk assessment and sustainable development planning

ABSTRACT SUBMISSION

Abstracts in English (MS Word) have to be submitted to icdrm2017@gmail.com.

Limit each abstract to 200 words and include the following:

- Title
- Author(s) full name and affiliation
- Mailing address, work phone, fax number and e-mail of corresponding author
- 4-6 Keywords

Content of the abstract should include:

- Objectives (free from commercialism)
- Methodology
- Conclusions

CONFERENCE REGISTRATION

The conference proceedings will be distributed to all registered participants as part of the registration package. The registration fee will be kept as low as possible to encourage increased participation from home and abroad. Relevant information will be announced very soon.

IMPORTANT DATES

- *Deadline for abstract submission:*
31 July, 2017
- *Abstract acceptance notification:*
5 August, 2017
- *Full paper submission deadline:*
1 September, 2017
- *Full paper acceptance notification:*
10 September, 2017

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