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For more information, please visit [www.ytu.edu.mm/USMCA](http://www.ytu.edu.mm/USMCA) (coming soon!)

# **USMCA2019**

## **The 18th INTERNATIONAL SYMPOSIUM ON NEW TECHNOLOGIES FOR URBAN SAFETY OF MEGA CITIES IN ASIA**

**December 9-10, 2019  
Yangon, Myanmar**

**December 11-12, 2019**

**Technical tour / Bagan, Myanmar**

Organized by  
Yangon Technological University (YTU)  
Yangon, Myanmar  
&  
International Center for Urban Safety  
Engineering (ICUS),  
Institute of Industrial Science (IIS),  
The University of Tokyo (UT), Japan

## Introduction

Nowadays, urban safety and environmental management are the most challenging ones to any country in the world. Therefore, scientists, researchers, academicians, and politicians from governments, universities, institutions, and societies are engaging together to find new solutions to face with the challenging global issues.

Recognizing the importance of urban safety and urban environmental management, Yangon Technological University, Myanmar and International Center for Urban Safety Engineering (ICUS), Institute of Industrial Science (IIS), the University of Tokyo, Japan, co-organize "International Symposium on New Technologies for Urban Safety of Mega Cities in Asia" (USMCA2019) from Dec. 9-10, 2019 at Yangon Technological University and Bagan in Myanmar. The USMCA has been held in Asia for 18 times in different Asian cities.

The Tenth International Conference on Science and Engineering 2019 (10th ICSE 2019) will be held at Yangon Technological University (YTU), Yangon, Myanmar on December 7-8, 2019. The 18<sup>th</sup> International Symposium on New Technologies for USMCA 2019 will jointly engage in these 10<sup>th</sup> ICSE 2019 at YTU.

## History of USMCA

2018 Hyderabad, India	2009 Incheon, Korea
2017 Sendai, Japan	2008 Beijing, China
2016 Tacloban, Philippines	2007 Dhaka, Bangladesh
2015 Kathmandu, Nepal	2006 Phuket, Thailand
2014 Yangon, Myanmar	2005 Singapore
2013 Hanoi, Vietnam	2004 Agra, India
2012 Ulaanbaatar, Mongolia	2003 Tokyo, Japan
2011 Chiang Mai, Thailand	2002 Bangkok, Thailand
2010 Kobe, Japan	

## Important Dates

Submission of ABSTRACTS:	<u>JULY 15, 2019</u>
Notification of Acceptance:	<u>AUGUST 15, 2019</u>
Submission of FULL PAPER or EXTENDED ABSTRACT:	<u>SEPTEMBER 15, 2019</u>
Early Bird Registration:	<u>SEPTEMBER 15, 2019</u>

## Symposium Venue

Yangon Technological University, Myanmar

## Registration Fee

The registration fee includes one symposium USB proceedings, two lunches, four tea-breaks and one gala dinner.

International delegates: US\$250 Early Bird Registration (Before Sept. 15, 2019)  
US\$300 (After Sept. 15, 2019)

International students: US\$125

## Subjects

The symposium will focus on the following subjects and keywords for urban safety and environmental management. The conference subjects and keywords:

### 1. Urban Safety & Disaster Mitigation

- Risk assessment, b. Disaster mitigation and urban planning,
- Early warning, d. Emergency response,
- Disaster management, f. Recovery and rehabilitation planning

### 2. Infrastructure Management

- Life cycle and stock management,
- Construction materials and technology,
- Maintenance and sustainability

### 3. Environment Informatics

- Climate change, b. Water resources,
- Biodiversity, d. Transportation
- GIS, f. Remote sensing

### 4. Special Session A: Bagan

- Seismic Hazard of Bagan,
- Effect of 2016 Chauk Earthquake,
- Reconstruction and restoration

### 5. Special Session B: SATREPS

- Water related disaster,
- Infrastructure,
- Transportation,
- Disaster management,
- Earthquake related disaster,
- GIS and remote sensing

## Submission Procedure

Authors are invited to submit abstracts of 300 words to the secretary via email [usmcamyanmar@gmail.com](mailto:usmcamyanmar@gmail.com) by July 15, 2019. Authors must use USMCA2019 format and choose your subject number. Template can be downloaded from the symposium website <http://www.ytu.edu.mm/USMCA>.

## Award

Award will be granted to students and young researchers under 35 years.

## Technical Tour

### About Bagan

Bagan, the capital of ancient Myanmar Kings, is well-known as an archaeological treasure house of South East Asia. It has experienced one major earthquake in 1975 and the recent one in 2016.

### About Yangon

Yangon, a former capital of Myanmar, continues to be the country's largest city and the most important commercial centre. It has an area of 598.75km<sup>2</sup> with a population of over five million. Although its infrastructure is undeveloped compared to those of other major cities in Southeast Asia, it has the largest number of colonial buildings in the region today. While many high-rise residential and commercial buildings have been constructed or renovated throughout downtown and Greater Yangon in the past two decades, most satellite towns that ring the city continue to be deeply impoverished.