# ICUS International Center for Urban Safety Engineering (ICUS) [Towards a Development of Sustainable Urban Systems]

## Institute of Industrial Science



災害を軽減するための

for disaster mitigatio

社会基盤施設

成熟社会基盤

適応学

Social Infrastructure

Management

Urban Safety & Disaster Mitigation | Environment Informatics | Social Infrastructure Management

http://icus.iis.u-tokyo.ac.jp

With three fields of research "Urban Safety & Disaster Mitigation", "Environment Informatics" and "Social Infrastructure Management," and through the promotion of advanced research, information-sharing and building of networks, ICUS strives to achieve its goal to realize safe and sustainable urban environment from the international point of view.

#### **Promotion of Advanced Research** • Urban safety and disaster mitigation strategy • Development of temporal-spatial disaster process model 災害安全社会 • Implementation of earthquake safer masonry structures 実現学 • Development of proper disaster broadcast model by **Urban Safety &** mass-media **Disaster Mitigation**

国土環境安全

情報学

Environment

Informatics

• Development of support for establishment of regional disaster management plan and its implementation • Development of assessment method of vulnerability and fragility to natural hazard

 Restructure of urban disaster mitigation planning theory Post-disaster recovery and rehabilitation planning

Impact Assessments on Global Risks

- Real-time Estimates of Water-Related Natural Disasters in the World Design and control of safer signalized
- intersections Bottleneck performance analysis of
- pedestrian flow for evacuation planning • Traffic flow model for disaster evacuation
- guidance • Urban space design for aging society with
- fewer children



**Information Sharing** 

International Conference **17**<sup>th</sup> USMCA 2018 in Hyderabad, India (12-14 Dec., 2018)



Joint Student Seminar on Civil **Engineering between Myanmar and** Japan at IIS, Utokyo. (28th Mar., 2019)



- Dept. of Civil Engineering, National University of Singapore (Singapore)
- Siridorn International Institute of Technology, Tammasat University (Thailand



Development of shield tunnel enlargement method

• Ground maintenance and sustainability

安全な

都市住環境

Safer Urban Built

Environment

環境負荷低減のための 建設リサイクル材料

自効活用マーケット分析

recycled construction materials

## **USMCA2019**

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

Technology management

• Ground improvement

9<sup>th</sup> - 10<sup>th</sup> December, 2019 Yangon, Myanmar

Project

## **ANZEN-SATREPS**

Development of a Comprehensive Disaster Resilience System and Collaboration Platform in Myanmar

Science and Technology Research Partnership for Sustainable Development (SATREPS)

Myanmar is a disaster-prone country with earthquake- and water-related disasters. In addition to the increase in disaster risk associated with rapid and large-scale urban development, uncertainties in the occurrence of these events will increase with a global climate change. Therefore, it needs to promote a close collaboration among government, academia and industry

## **Technical tour:**

## 11<sup>th</sup> -12<sup>th</sup> December, 2019, Bagan, Myanmar

#### **IMPORTANT DATES**

Submission of ABSTRACTS: JULY 15, 2019 Notification of Acceptance: AUGUST 15, 2019 Submission of FULL PAPER or EXTENDED ABSTRACT: SEPTEMBER 15, 2019 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 lunch-boxes, four tea-breaks and one gala dinner.

### Foreign delegates:

US\$250 Early Bird Registration (Before September 15, 2019) US\$300 (After September 15, 2019) Students: US\$125

#### Contact

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to strengthen the capability of comprehensive disaster risk reduction in Myanmar.

### **Project Overview**

Project Area	Republic of the Union of Myanmar	Duration	5 years (2014 - 2020)	Support	Japan International Cooperation Agency (JICA) Japan Science and Technology Agency (JST)
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To develop integrated disaster resilience systems by supporting the

advancement of technology both **Structural** and **Non-structural** as well Purpose as **HR Development** to strengthen Myanmar's disaster response ability that will contribute to the formation of safe urban environment and steady economic growth of the country.











