International Center for Urban Safety Engineering (ICUS)

[Towards a Development of Sustainable Urban Systems]

Institute of Industrial Science

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,” 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 event-based disaster response system
- Implementation of earthquake safety management system
- Development of proper disaster communication system
- Development of support for establishment of regional disaster management plan
- Implementation of earthquake safer masonry structures
- Implementation of earthquake safer masonry structures
- Urban safety and disaster mitigation planning theory
- Flood recovery and rehabilitation planning

Information Sharing

- International Conference 18th USMCA 2017 in Sendai City, Japan (26-28 Nov., 2017)
- 1st Joint Student Seminar on Civil Engineering between Myanmar and Japan at Yangon Technological Univ. (13th Dec., 2017)

Building Networks

- Research Collaboration with Overseas Institutions

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

Project Overview

To develop integrated disaster resilience systems by supporting the advancement of technology both structural and non-structural as well 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.

International Conference

18th USMCA 2017 in Sendai City, Japan (26-28 Nov., 2017)

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ABSTRACT

Urban safety and environmental management are challenges for any country in the world today. Scientists, researchers, academics from Universities & Institutes of higher learning, governments and societies are working together to find new solutions to these global issues. Recognizing this critical importance, the International Institute of Information Technology, Hyderabad, and the International Center for Urban Safety Engineering (ICUS) at Institute of Industrial Science (IIS), The University of Tokyo (UoTokyo) are co-organizing this International Symposium on New Technologies for Urban Safety of Mega Cities in Asia (USMCA) during 12-14 December 2018 in Hyderabad, India. The main Symposium is during 12-13 December 2018, and the technical and city tours are on 14 December 2018.

About City of Hyderabad

Hyderabad, the fifth largest city in India, has its own distinct culture. The city is nearly 400 years old and is noted for its natural beauty, mosques, minarets, bazaars, bridges, hills and lakes; Charminar – the tower with four minarets, an old monument and mosque located in Hyderabad is considered as one of the global icons of its kind. Hyderabad is perched on the top of Deccan Plateau, 1776 feet above the sea level, and sprawls over an area of 250 square miles. Secunderabad, the twin city, is separated from Hyderabad by an artificial lake Hussain Sagar, constructed in 1562 AD.