



# International Center for Urban Safety Engineering (ICUS)

Institute of Industrial Science

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

- Urban Safety & Disaster Mitigation Division
- Environment Informatics Division
- Social Infrastructure Management Division

## Outline of ICUS

In March 2011 the International Center for Urban Safety Engineering (ICUS) concluded a ten-year period of activity. After passing the third party evaluation and institution internal evaluation, a "new" ICUS began from April 2011 with three new research divisions: "Urban Safety and Disaster Mitigation Division," "Environment Informatics Division," and "Social Infrastructure Management Division." Based upon the past activities, "promotion of advanced research," "construction of networks," and "information collection and dissemination" will be set as the main activities towards developing the safety of cities by university researchers from an international viewpoint.

### Promotion of Advanced Research



### Urban Safety & Disaster Mitigation Division

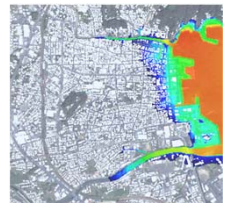
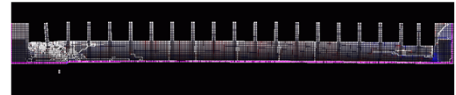
- Urban safety and disaster mitigation strategy
- Development of disaster information sharing platform
- Development of information station for emergency management and disaster prevention
- Post-disaster urban recovery and rehabilitation planning
- Efficient and economic retrofitting method for masonry structures
- Development of disaster mitigation planning support technologies

### Environment Informatics Division

- Realization, assessment, prediction, mitigation, and adaptation to climate change
- Improvement of water resources management
- Realization, monitoring, and conservation of biodiversity
- Urban traffic management

### Social Infrastructure Management Division

- Lifecycle and stock management
- Materials property management
- Performance verification/quality assessment, ground maintenance and sustainability
- Ground improvement



### Construction of networks

- Asian Institute of Technology, Thailand (RNU)
- Dept. of Civil Engineering, Bangladesh University of Engineering and Technology, Bangladesh (BNU)
- Bangladesh Earthquake Society, Bangladesh
- National Centre for Earthquake Engineering, Bangladesh
- Indian Institute of Technology Kanpur, India
- College of Engineering, Nanyang Technological University, Singapore
- Protective Technology Research Center, Nanyang Technological University, Singapore
- Dept. of Civil Engineering, National University of Singapore, Singapore
- LCM Research Center, The Port and Airport Research Institute, Japan
- Sirdorn International Institute of Technology, Tammasat University, Thailand
- Dept. of Civil Engineering, Shibaura Institute of Technology, Japan
- Global U-City Construction & Information Hub, Dept. of Civil Engineering, Han Yang University, Korea
- Dept. of Construction Engineering, National Kaohsiung First University of Science and Technology, Chinese Taipei
- Center for Public Safety Research, Tsinghua University, P.R. China
- School of Applied Sciences and Engineering, Monash University, Australia



3<sup>rd</sup> Joint student seminar on civil infrastructure at AIT center (July 29-30, 2010)



Workshop at BNU (January 20, 2011)

### Information collection and dissemination



2010 Tsinghua-Todai Week (May 12-14, 2010)

### ICUS Open Lecture



18<sup>th</sup> Traffic safety and ITS (April 27, 2010)



19<sup>th</sup> The construction industry's Vision of the future: overseas projects, environmental strategies, and industry structure (November 10, 2010)



9<sup>th</sup> International Symposium on New Technologies for Urban Safety of Mega Cities in Asia, (USMCA2010) at Kobe International Conference Center, Kobe, Japan (October 13-15, 2010) 125 participants (25 countries)

**Research Committee 62 (RC62)** was established to consider technologies for evaluation of aging infrastructure performance degradation.  
**Research Committee 67 (RC67)** was established to evaluate CSR activities in environmentally conscious society.



RC-62 and RC-67 Annual Report