

## Welcome to Kochi



**Venue: Media no Mori 6F, Kochi University (2-5-1 Akeboro-cho, Kochi 780-8520, JAPAN)**

3-minute walk from JR Asakura Station (Japan Railway Dosan Line)

1-minute walk from Asakura (Kochidaigakumae) Stop (Tosaden Tram)

1-minute walk from Asakura Kochidaigakumae Stop (Tosaden Bus)

## Local Organizing Committee

### Chair

Keiichi Toda (Kyoto Univ.)

### Secretary General

Hao Zhang (Kochi Univ.)

### Members

Haruo Yamaguchi (Kochi Univ.)

Hideaki Ichiura (Kochi Univ.)

Kohsuke Adachi (Kochi Univ.)

Kou Ikejima (Kochi Univ.)

Makoto Takeda (Chubu Univ.)

Masayuki Matsuoka (Kochi Univ.)

Mina Hori (Kochi Univ.)

Shushi Sato (Kochi Univ.)

Taira Ozaki (Kansai Univ.)

Taisuke Ishigaki (Kansai Univ.)

Taku Fujiwara (Kochi Univ.)

Tomoaki Ichie (Kochi Univ.)

Yasuyuki Baba (Kyoto Univ.)

## Secretariat

Laboratory of Hydrosience and Engineering, Faculty of Science and Technology, Kochi University

Tel & Fax: +81-88-844-8277 E-mail: [zhang@kochi-u.ac.jp](mailto:zhang@kochi-u.ac.jp)

URL: <https://www.kochi-u.ac.jp/ino-wbcs/event/UFM2019/>

# The 2nd International Workshop on Urban Flood Management (UFM2019)

September 11, 2019  
KOCHI, JAPAN



## Co-organized by

Subcommittee on Disaster Research, Committee on Underground Space Research,  
Japan Society of Civil Engineers

Center of Excellence for Development of Innovative Water and Biomass Cycle Systems,  
Kochi University



# PROGRAM

---

9:00-9:20	<b>Registration</b>
9:20-9:25	<b>Opening Address</b> <i>Katsutoshi Sakurai (President of Kochi University)</i>
9:25-9:35	Introduction of Committee on Underground Research, Japan Society of Civil Engineers <i>Yasuyuki Baba (Kyoto University)</i>
9:35-9:45	Introduction of Center of Excellence for Development of Innovative Water and Biomass Cycle Systems, Kochi University <i>Taku Fujiwara (Kochi University)</i>

## Keynote Speech

9:45-10:30	Urban flood management in China: challenge and coping strategy <i>Cheng Xiaotao (Expert Team Member of China National Disaster Reduction Committee)</i>
10:30-10:40	<b>Break</b>

## Technical Session1 *Chair: Kenichiro Kobayashi (Kobe University)*

10:40-11:10	Experimental learning in primary school for disaster prevention with hydraulic urban model <i>Taisuke Ishigaki (Kansai University)</i>
11:10-11:40	Sponge city and urban flood management in Jinan City, China <i>Xu Zhongxue (Beijing Normal University)</i>
11:40-12:10	Evacuation analysis in flooding at multi-layer underground space <i>Keiichi Toda (Kyoto University)</i>

## 12:10-12:40 Lunch

12:40-13:10	<b>Demonstration of Urban Flooding with Miniature City Model</b> <i>Hao Zhang (Kochi University)</i>
-------------	---

## Technical Session2 *Chair: Chieh-Hsuan Weng (National Cheng Kung University)*

13:20-13:45	High-resolution modelling techniques for urban flood and its applications for sponge-city evaluation <i>Hou Jingming (Xi'an University of Technology)</i>
13:45-14:10	Analysis model on urban inundation and its applications <i>Makoto Takeda (Chubu University)</i>
14:10-14:35	Practical application of image technology in urban hydrological monitoring <i>Qu Zhaoshong (Beijing Sinfotek Technology Co., Ltd)</i>
14:35-15:00	Flood inundation simulation and its uncertainty regulated by hydraulics and topography <i>Ryota Tsubaki (Nagoya University)</i>
15:00-15:25	Experimental study on drowning accident risk at irrigation channel and side ditch <i>Takaaki Okamoto (Kyoto University)</i>
15:25-15:35	<b>Break</b>

## Technical Session3 *Chair: Shushi Sato (Kochi University)*

15:35-16:00	Urban water-logging early warning technology and its application <i>Wang Jing (China Institute of Water Resources &amp; Hydropower Research)</i>
16:00-16:25	Assessment of flood damage in the river basins of Southeast Asia <i>Badri Bhakta Shrestha (University of Tokyo)</i>
16:25-16:50	Comprehensive measurement techniques of water flow, bedload and suspended sediment using Acoustic Doppler Current Profiler <i>Shoji Okada (National Institute of Technology, Kochi College)</i>
16:50-17:15	Management system for flooding disasters in Tainan, Taiwan <i>Chi-Hwei Huang (National Cheng Kung University)</i>
17:15-17:40	Sediment-flood disasters caused by extreme heavy rain fall: a case study of rivers in Hiroshima prefecture during the heavy rain in July 2018 <i>Tatsuhiko Uchida (Hiroshima University)</i>

## 17:40-17:45 Closing Remarks

17:40-17:45	<i>Keiichi Toda (Chair of UFM2019 and Professor of Kyoto University)</i>
19:00-21:00	<b>Reception</b> <i>Room Asuka, Kochi Kaikan (5-6-42 Hon-Machi, Kochi City)</i>

---