

# ICT-DM

4 – 7 December 2018

Tohoku University, Sendai, Japan



Katahira Sakura Hall



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### Sponsored by

IEEE, IEEE ComSoc,  
Cybercience Center, Tohoku University, IEEE ComSoc Communications Software TC, and TC Big Data

### IMPORTANT DATES

Paper Submission: **1 June 2018**

Notification: 1 Sep. 2018

Camera-Ready: 20 Sep. 2018

## Call for Papers

The 5th International Conference on Information and Communication Technologies for Disaster Management (ICT-DM'2018) aims to bring together academics and practitioners who are involved in emergency services, ad hoc planning, disaster recovery, etc., to learn about the latest research developments, share experiences and information about this area and develop recommendations. Authors are invited to submit manuscripts that present original unpublished research on using ICTs for detection, prevention, preparation, response and recovery of disasters. There will also be invited presentations by experts from academia, industry, and government as well as special sessions dedicated to case studies, demonstrations and experiences based on pragmatic approaches. This way, the conference will provide a forum for supporting and encouraging both academic researchers, as well as practitioners involved in applied-focused research. The conference accepts two types of papers, specifically long papers (up to 8 pages) and short papers (up to 4 pages). **The presented papers will be submitted for inclusion in IEEE Xplore.** The conference will also include poster sessions which will be announced later. Topics of interest include, but are not limited to:

- Big data analytics in disaster management
- Cloud computing, context-aware computing, mobile computing
- Communication infrastructures, technologies and services
- Coordination, collaboration and decision support technologies
- Crowd sourcing, remote sensing, cyber-physical systems
- Data/information mining and management from multiple information and huge sources
- Disaster relief logistics, E-governance, evacuation and rescue geo-planning
- Internet of things for disaster and emergency management
- Interoperability of heterogeneous systems
- Modeling and simulation tools for crisis and disaster situations
- Open source data and space based resources
- Performance measurement, prediction and early warning systems
- Querying and filtering on heterogeneous, multi-source streaming disaster data
- Risk, damage and loss assessment
- Security and privacy issues in information sharing
- Service oriented architectures, situation awareness
- Social media and networks
- Uncertainty and possibly adversity in data handling and delivery
- Web mapping and Geographic Information Systems (GIS)
- Wireless networks based solutions for disaster management
- Other related topics in the domain of ICT-DM