

iCAST 2017 Special Session Proposal

Session Title:

Disaster Awareness Communication Networks, Systems, and Applications (DiANA2017)

Session Chair with Contact Information:

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Session Organizers:

Prof. Yoshitaka Shibata, Noriki-Uchida, Shigeki Yamada, Goutam Chakraborty

Aim:

The awareness of larger scale disasters has been very important to save all of the lives in the world due to seismic activity and global warming on the earth. More resilient and effective communication networks, systems and applications must be developed. This special session covers network design, implementation and application systems for larger scale natural disaster such as earthquake, mountain explosion, tsunami in addition ordinal disaster disasters such as typhoon, rain flooding and snow-slide. Not only technological aspects by researchers but experienced experts such as governmental officers and volunteers for disaster are welcome.

This special session will be focusing on (but not limited to) the following topics:

- Disaster Information System
- Emergency Network System
- Resilient Network Systems
- Mobile Adhoc Network
- Mobility Network for Disaster Use
- Cloud Computing for Disaster Use
- Software Defined Network for Disaster Use
- Delay Tolerant Network for Challenged Environment
- Environmental Surveillance Systems
- GIS system and Disaster management
- Web-based Disaster Information Systems
- Mobile Terminal application for Emergency Use
- Wireless and Satellite Network for Disaster

Session organizers:

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