

The 8th International Conference on Information and Communication Technology (ICOICT 2020)

"Leveraging ICT for Disaster Resilience and Sustainable Development"

Structural Health and Monitoring (SHM)

• Internet of Things for SHM • System Engineering for SHM • Decision Systems for SHM • Data Fusion and Analytic for SHM • Simulation and Computing for SHM • Signal and data Processing for SHM

Climate Change Monitoring (CCM)

• IoT for CCM • Analysis, Simulation, and Modeling for CCM • Early Warning Systems and Environmental Assessment • Intelligent System for CCM and Weather Forecasting

Trending Technologies in Natural Disaster Risk Reduction (DRR)

• IoT and Sensor Networks for Disaster Risk Reduction • Remote Sensing and Spatial Analysis for DRR • Big Data and Mobile Application for Early Warning System • Unmanned autonomous vehicle (UAV) applications for DRR

Emerging Trends in Information and Communication Technology (ICT)

• IoT and Big Data • AI/Machine Learning • Socio Computing • Data Analysis • Mobile Applications • Blockchain • Smart cities • Digital transformation • cybersecurity

Disaster Data Science and Management

Signal and Image Processing for Disaster Mitigation and Management (DMM) • Early Warning System for DMM • GPS and INS for DMM • GIS and Remote Sensing Application for DDSM • Data Science for Disaster Management •

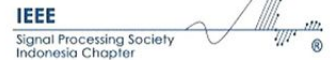
ICT for Agriculture and Forestry (AF) Resilience

IoT and Sensor Networks for AF • Image Processing and AI for AF • Data Science for AF • Remote Sensing and GIS for AF • Any ICT Applications for AF •

Disaster Risk Science and Engineering

Multi-hazard Modelling and Simulations • Risk and Vulnerability Assessment • Numerical Modelling and Simulations • Data Science for Resilient Built Environments • Remote Sensing and Spatial Analysis for Disaster Risk Science and Engineering •

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KEYNOTE SPEAKERS

Prof. Hiroshi Murase

a Professor at the Graduate School of Informatics, Nagoya University, Japan

Dr. Ardhasena S.

Deputy director for climate and air quality research in the Indonesian Agency for Meteorology Climatology and Geophysics (BMKG), Indonesia

Prof. Yukihiro Kubo

a Professor at the Department of Electrical and Electronic Engineering, Ritsumeikan University, Japan

OVERVIEW

ICOICT 2020 will be jointly organized by Telkom University Indonesia, Universitas Gadjah Mada Indonesia, and Multimedia University Malaysia. The conference offers a good opportunity to enhance international academic exchange on ICT related topics and to provide a platform for researchers to discuss new problems and solutions.

ICOICT 2020 will be submitted in **IEEE Xplore** and indexed by **Scopus**.

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