

## Joint Symposium on eHealth and Technologies for a Resilient Community against Disasters (2018/4/26)

Topic: eHealth and Technologies for a Resilient Community against Disasters

Venue: Bandung Institute of Technology

On Apr. 26, 2018 (Thu), Prof. Shinichi Egawa gave the Keynote Speech in the Joint Symposium on eHealth and Technologies for a Resilient Community against Disasters. This symposium was jointly organized by Institute of Electrical and Electronics Engineers, Special Interest Group for Humanitarian Technology (IEEE SIGHT) eHealth and Telemedicine Indonesia and Department of Biomedical Engineering Bandung Institute of Technology, supported by IEEE Education Indonesia, IEEE Society on Social Implications (SSIT) and The Indonesian eHealth and Telemedicine Society (IeHTS). Invited speakers were from representatives from Indonesia's Health Department Crisis Centre, BNPB (National Body for Disaster Management), BASARNAS (National Search and Rescue Body), and SPGDT 119 (Integrated emergency response system 119). This became a precious multidisciplinary symposium with technology experts, educational experts and disaster & emergency practitioners.

Prof. Egawa gave the Keynote speech entitled "Research and Development to make a healthy community resilient against disaster". He talked about the concept of disaster risk reduction (Bosai), change of medical needs in disaster, Sendai Framework for Disaster Risk Reduction, simulation modeling of disaster response and how to measure the community health. The symposium was a webinar connecting Udayana University in Bali, and Andalas University in Padang, West Sumatera. Prof. Egawa used answer pad system to collect the opinion of audience in real time, and got high evaluation (54% Very Interesting, 33% Interesting, 13% Difficult, 0% Boring). He ran the actual system dynamics and agent-based simulations and suggested that simulation can reproduce the situation in disaster.

Prof. Egawa and representatives from Indonesian Government had a panel discussion on how we can educate disaster risk reduction in young generations, how technology and eHealth can contribute the community resilient against disaster and what is the wish list of technological development. Very active and fruitful discussion was made. Indonesia is one of the model country of Global Center for Disaster Statistics. The integration of data from Ministries and Stakeholders are rapidly progressing. The integration of health crisis information system is also available to general public to enhance the community resilience. At the same time, the participants recognized the reliability of the system and possible unexpected situation in disaster to be able to cope efficiently. Bandung Institute of Technology and Tohoku University have university level Memorandum of Agreement in academic exchange. Collaboration in disaster medicine and eHealth will promote more exchange with strong support of Indonesian Government and IEEE.



Prof. Shinichi Egawa as Keynote Speaker

Audience from ITB faculty and students,  
 Government representatives and high  
 school teachers



Group Photo

Shinichi Egawa (Disaster Medical Science)