

Mission Statement

I am a candidate for the Interdisciplinary Geosciences (IG) Section President of AOGS. I am an expert on coastal hazard who has been studying coastal hazard and risk assessment using numerical modeling and field survey based on interdisciplinary collaborative research with engineers, geologists, archaeologists, and historians. As results of these collaborative, I was awarded by both geoscience society (Japan Society for Natural Disaster Science) and engineering practice society (Japan Society of Civil Engineers and Society for the Promotion of Construction Engineering). Examples of major disasters that I have studied are the 2004 Indian Ocean tsunami, the 2011 Great East Japan tsunami, 2011 Great Thailand flood and the 2013 Super Typhoon Haiyan. I am also working with local residents for some practical disaster reduction related activities such as inland and offshore tsunami evacuation for coastal residents and fishermen, disaster reduction education for elementary students in Asian countries and development of mobile application for tsunami evacuation and damage assessment.

In regard to my experience as a young scientist from the early to present stage of AOGS as session participants in 2007, 2012, 2014 and 2015 and session convener in 2016, I would like to express my mission as following. According to the mission statement of AOGS's IG section, this is the most important section that brought knowledge from all other sections applying to non-geoscience societies. I believe that it is important for geoscience experts to understand the earth nature together with non-geoscience experts to understand how the new research findings will be applied for the future human and environmental development and safety from natural hazards. If I am elected, I would like to enhance IG researches and encourage all experts to strengthen the network with other AOGS sections and to promote contribution to other non-geoscience societies. One example is my proposed session in IG section for AOGS 2017 that will bring together both geoscience and non-geoscience experts to present and discuss the IG related research topics. In addition, I would like to encourage participation of young researchers and researches that will be benefit especially to developing countries. Last but not least, I would also like to organize and manage this IG section so that the section will completely contain current research topics and benefit to other AOGS sections and societies as well as wide range of research target areas or research institutions from Asian and Oceanian countries.

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