

Prof. Imamura and Assoc. Prof. Koshimura presented their research at the International Union of Geodesy and Geophysics (IUGG) XXV General Assembly (IUGG2011 Melbourne, Australia 2011) during (28th June to 7th July)

The general assembly of the International Union of Geodesy and Geophysics was held in Melbourne, Australia for 10 days during 28th June to 7th July (<http://www.iugg2011.com/>). Members from our center such as Prof. Imamura and Assoc. Prof. Koshimura presented their research. The Tsunami session was organized under the title “Advances in Tsunami Science, Warning, and Mitigation”. This session included talks on the 2011 Tohoku Earthquake and Tsunami which led to an increasing of the regular number of presentations. Thus, 17 oral presentations out of 65 were related to the Tohoku Earthquake, also 30 posters were exhibited. There were many new research reports about real time tsunami simulations, earthquake and tsunami research using sediment deposits, also improvements on tsunami warnings, tsunami observations, and estimation of inundation areas. In this opportunity, discussions about the 2011 Earthquake and Tsunami were related to observations, survey results and simulations. Presentation’s title made by our center members are shown below:

【Union Symposia】

F. Imamura: Grand Challenges in Natural Hazards Research and Risk Analysis

【Union Session】

F. Imamura: Tsunami Disaster and Impact due to the 2011 Tohoku Earthquake

【Oral Presentation】

F. Imamura, Y. Iwabuchi, H. Sugino, Y. Tsuji, N. Shuto*: Development of the Database on Tsunami Trace with Reliability Evaluation on JAPAN Coasts

S. Koshimura, T. Takahashi: Post-tsunami field survey of the 2011 Tohoku Earthquake Tsunami

A. Suppasri, T. Asada, F. Imamura, S. Koshimura: Tsunami Hazard and Risk Assessment for Coastal Population in the Indian Ocean

A. Muhari, F. Imamura, S. Koshimura: Assessment on community level tsunami awareness and outlook for future evacuation strategy: Introducing ‘tsunami-deck’

E. Mas, F. Imamura, S. Koshimura: Tsunami Risk Perception Framework for the Start Time Evacuation Modeling

【Poster Presentation】

S. Koshimura, T. Fukui, M. Matsuyama & Y. Suga: 2D and 3D numerical simulation of tsunami inundation by Lattice Boltzmann Method

S. Koshimura, M. Matsuoka, M. Matsuyama, T. Yoshii, E. Mas, et al: Field survey of the 2010 tsunami in Chile
Y. Namegaya, S. Koshimura,: Tsunami Fragility Curves of the 1944 Tonankai Earthquake Tsunami in Owase City, Japan

K. Goto*, J. Takahashi, F. Imamura, T. Takahashi & J.J. Wijetunge: Numerical modelling for the remarkable bathymetric change by the 2004 Indian Ocean tsunami at Kirinda Harbor, Sri Lanka

H. Gokon, S. Koshimura, M. Matsuoka, K. Imai & Y. Namegaya: Developing Tsunami Fragility Curves for Structural Destruction Using the Post-tsunami Data from American Samoa

Underline indicates our center members, * indicates former member.

