

Memorial Workshop for Professor Yoshimi Goda

The Eleventh International Workshop on Coastal Disaster Prevention

– Preparedness for Ocean Storm Disasters –

April 18, 2013 (Thu) 10:00 – 17:00

Program (Tentative)

10:00-10:10 Opening Speech

Shigeo Takahashi (President, Port and Airport Research Institute)

Norihiko Yamagata (Director-General, Ports and Harbors bureau, Ministry of Land,
Infrastructure, Transport and Tourism)

Tomoya Shibayama (Waseda University)

10:10-12:20 Session 1

10:10-10:40 Prof. Robert A. Dalrymple (Johns Hopkins University)

Modeling waves in the nearshore zone

10:40-11:10 Dr. Katsuya Hirayama (Port and Airport Research Institute)

Numerical simulations using Boussinesq model for random sea wave
transformations

11:10-11:40 Hitoshi Gotoh (Kyoto University)

Numerical Wave Flume for Simulating Flows with Violent Free-Surface Motion

– Accurate Particle Methods for a Design of Coastal Structures –

11:40-12:20 Hajime Mase (Kyoto University)

Projection of Future Wave and Surge Environments

13:30-15:00 Session 2

13:30-14:00 Prof. Billy L. Edge (North Carolina State University)

Recent Hurricanes and Countermeasures to Mitigate Future Damages from Storm
Surge in the United States

14:00-14:30 Hiroyasu Kawai (Port and Airport Research Institute)

Deepwater wave and storm surge information for disaster mitigation

14:30-15:00 Dr. Barbara Zanuttigh (University of Bologna)

Towards safer resilient coasts in a changing climate

15:15-16:55 Session 3

15:15-15:45 Kenichiro Shimosako (Port and Airport Research Institute)

Wave pressure formulae and stability of breakwaters against waves and tsunamis

15:45-16:15 Prof. Kyung Duck Suh (Seoul National University)

First passage probability of allowable individual sliding distance of vertical
breakwater caisson during a storm

16:15-16:55 Masahiko Isobe (University of Tokyo)

Theories behind design standards of maritime structures

16:55-17:00 Closing Speech

Kinji Sekita (Coastal Development Institute of Technology)