

AGENDA OF THE SECOND INTERNATIONAL WORKSHOP ON COASTAL DISASTER PREVENTION

January 18 (Wednesday)

8:50 – 9:20 Registration

9:20 – 9:50 Opening Ceremonies

Opening Remarks by Mr. Makoto Owada, President, PARI, Japan
Remarks by Mr. Heizo Kito, Director-General, Ports and Harbours
Bureau, Ministry of Land, Infrastructure and Transport, Japan
Remarks by Mr. Hisao Ida, Deputy Director-General, Research and
Development Bureau, Ministry of Education, Culture, Sports,
Science and Technology, Japan
Brief Introduction of the workshop by Takashi Tomita, WS Secretary

9:50 – 10:50 Technical Session 1 – Tsunami (1), Experiment

Chairman: Solomon Yim, Oregon State University, USA

Co-chairman: Toshihiko Nagai, PARI, Japan

9:50 *Large Model Test of Tsunami Pressure on a Seawall and on Land
Structures*

Taro Arikawa, PARI, Japan

10:10 *Tsunami Wave Forces on Coastal Dike*

Fuminori Kato, National Institute for Land and Infrastructure
Management, Japan

10:30 *Forces on a Container Due to Tsunami and Collision Force by
Drifted Container*

Norimi Mizutani, Nagoya University, Japan

10:50 – 11:00 Break

11:00 – 12:00 Technical Session 2 – Tsunami (2), Numerical Simulation

Chairman: Saman Samarawickrama, University of Moratuwa, Sri
Lanka

Co-chairman: Katsuya Hirayama, PARI, Japan

11:00 *Dispersion Effect in Tsunami Numerical Simulation*

Koji Fujima, National Defense Academy, Japan

11:20 *Application of Three-dimensional Numerical Model to Tsunamis*

Takashi Tomita, PARI, Japan

11:40 *Storm Wave and Tsunami Interaction with Structures*

Solomon Yim, Oregon State University, USA

12:00 – 13:00 Lunch

13:00 – 15:00 Special Session 1 – Indian Ocean Tsunami

Chairman: Byung Ho Choi, Sungkyunkwan University, Korea

Co-chairman: Tetsuya Hiraishi, PARI, Japan

13:00 *Damage and Impact on the Coastal Area Due to the 2004 Indian Ocean Tsunami*

Fumihiko Imamura, Tohoku University, Japan

13:30 *Indian Ocean Tsunami on the Srilankan Coast, Near Shore Processes and the Impact of Coral Removal*

Saman P. Samarawickrama, University of Moratuwa, Sri Lanka

14:00 *The 2004 Indian Ocean Tsunami Disaster and Building Re-construction in Thailand*

Panitan Lukkunaprasit, Chulalongkorn University, Thailand

14:30 *Disaster Impacts of December 2004 Indian Ocean Tsunami in Indonesia and Its Rehabilitation Efforts*

Subandono Diposaptono, Ministry of Marine Affairs and Fisheries, Indonesia

15:00 – 15:10 Break

15:10 – 16:30 Technical Session 3 – Tsunami (3), Countermeasure

Chairman: Fumihiko Imamura, Tohoku University, Japan

Co-chairman: Kenichiro Shimosako, PARI, Japan

15:10 *Tsunami Warning System in Japan*

Shin'ya Tsukada, Japan Meteorological Agency, Japan

15:30 *Concept of Tsunami Detecting System Using Remote Sensing*

Tomoyuki Takahashi, Akita University, Japan

15:50 *Offshore Tsunami Monitoring Network Design Using GPS Buoys and Coastal On-site Sensors*

Toshihiko Nagai, PARI, Japan

16:10 *Coastal Damage Due to the Indian Ocean Tsunami and Its Defense by Greenbelt*

Tetsuya Hiraishi, PARI, Japan

16:30 – 17:00 Technical Session 4 – Coastal Disaster Prevention (1)

Chairman: Fumihiko Imamura, Tohoku University, Japan

Co-chairman: Kenichiro Shimosako, PARI, Japan
 16:30 *Technology of Tsunami Disaster Reduction*
 Yoshiaki Kawata, Kyoto University, Japan

18:00 – 20:00 Reception
 at National Museum of Emerging Science and Innovation (Miraikan)
 Opening Speech by Mr. Yasuhiro Kawashima, President, JS-PIANC
 Closing Speech by Dr. Tadahiko Sakamoto, Chairman, Japan-Side,
 Panel on Wind and Seismic Effects, UJNR

January 19 (Thursday)

8:50 – 9:20 Registration

9:20 – 9:40 Technical Session 5 – Coastal Disaster Prevention (2)
 Chairman: Subandono Diposaptono, Ministry of Marine Affairs and
 Fisheries, Indonesia
 Co-chairman: Koji Kawaguchi, PARI, Japan
 9:20 *Business Continuity Management as a New and Holistic Framework
 for Flood Disasters Reduction*
 Haruo Hayashi, Kyoto University, Japan

9:40 – 11:00 Technical Session 6 – Storm Surge and Waves
 Chairman: Subandono Diposaptono, Ministry of Marine Affairs and
 Fisheries, Indonesia
 Co-chairman: Koji Kawaguchi, PARI, Japan
 9:40 *Recent Storm Surge Disasters in Japan and Korea*
 Hiroyasu Kawai, PARI, Japan
 10:00 *Operational Storm Surge Forecasting at Japan Meteorological
 Agency -Current Status and Future Outlook-*
 Masakazu Higaki, Japan Meteorological Agency, Japan
 10:20 *Tropical Cyclone Climatology in a Greenhouse Climate -Simulation
 with a Super-High-Resolution Global Atmospheric Model-*
 Jun Yoshimura, Meteorological Research Institute, Japan
 10:40 *Improvement of the Third Generation Wave Model for Coastal Wave
 Hindcasting*
 Noriaki Hashimoto, Kyushu University, Japan

11:00 – 11:10 Break

11:10 – 12:10	Special Session 2 – Hurricane Katrina Disaster
	Chairman: Katsuya Oda, National Institute for Land and Infrastructure Management, Japan
	Co-chairman: Hiroyasu Kawai, PARI, Japan
11:10	<i>Impact of Hurricane Katrina on Southeast Louisiana</i> Harley S. Winer, US Army Corps of Engineering, USA
12:10 – 13:10	Lunch
13:10 – 14:50	Technical Session 7 – Coastal Disaster Prevention (3)
	Chairman: Norimi Mizutani, Nagoya University, Japan
	Co-chairman: Fuminori Kato, National Institute for Land and Infrastructure Management, Japan
13:10	<i>Characteristics of Storm Surge Disasters in Japan and Countermeasures for Their Mitigation</i> Tomotsuka Takayama, Kyoto University, Japan
13:40	<i>Coastal Disaster Mitigation in the U.S.</i> Nobuhisa Kobayashi, University of Delaware, USA
14:10	<i>Counter Measures for Coastal Disasters in Europe</i> Ahmet C. Yalciner, Middle East Technical University, Turkey
14:30	<i>Performance Design of Coastal Defense and Real-Time Prediction of Coastal Disasters Based on Prepared Scenarios</i> Shigeo Takahashi, PARI, Japan
14:50 – 15:00	Break
15:00 – 16:00	Technical Session 8 – Coastal Disaster Prevention (4)
	Chairman: Noriaki Hashimoto, Kyushu University, Japan
	Co-chairman: Takehisa Saitoh, Kanazawa University, Japan
15:00	<i>Countermeasures Against Coastal Disasters In Mexico</i> Jose Miguel Montoya Doriguez, Mexican Institute of Transport, Mexico
15:20	<i>Countermeasures Against Storm Surge and Tsunamis by Ministry of Land, Infrastructure, and Transport</i> Yasuyuki Kajiwara, Ports and Harbours Bureau, MLIT, Japan
15:40	<i>Tsunami and Storm Surge Hazard Maps</i> Tatsuyuki Shishido, CDIT, Japan
16:00 – 16:10	Break

16:10 – 17:10 Panel Discussion

Coordinator: Shigeo Takahashi, PARI, Japan

Panelists:

Yasuyuki Kajiwara, Ports and Harbours Bureau, MLIT, Japan

Nobuhisa Kobayashi, University of Delaware, USA

Panitan Lukkunaprasit, Chulalongkorn University, Thailand

Tomotsuka Takayama, Kyoto University, Japan

Harley S. Winer, US Army Corps of Engineering, USA

Ahmet C. Yalciner, Middle East Technical University, Turkey

Special Participants:

Subandono Diposaptono, Ministry of Marine Affairs and
Fisheries, Indonesia

Jose Miguel Montoya Doriguez, Ministry of Communication and
Transport, Mexico

Noriaki Hashimoto, Kyushu University, Japan

Masakazu Higaki, Japan Meteorological Agency, Japan

Fuminori Kato, National Institute for Land and Infrastructure
Management, Japan

Norimi Mizutani, Nagoya University, Japan

Katsuya Oda, National Institute for Land and Infrastructure
Management, Japan

Saman Samarawickrama, University of Moratuwa, Sri Lanka

Solomon Yim, Oregon State University, USA

Jun Yoshimura, Meteorological Research Institute, Japan

17:10 – 17:20 Closing Ceremonies

Remarks by Mr. Susumu Murata, President, CDIT, Japan