

ISOPE-2012: Tsunami and Safety Symposium

Rhodes (Rodos), Greece, June 17-22, 2012

CALL FOR PAPERS

On **11 March 2011**, a very large-scale earthquake (Mw9.0) triggered a tremendous tsunami disaster that hit the Japanese coast. The GPS-mounted buoys, drifting on the sea surface at a location of approximately 200 meters in depth, recorded the tsunami at higher than 6 meters. As presented in a keynote report at the ISOPE-2011 conference, the tsunami amplified near the coast, resulting in serious damage to the world's largest tsunami breakwater at Kamaishi Bay.

Considering devastating coastal hazards such as the 2011 Japanese Tsunami, 2010 Chilean Tsunami and 2004 Sumatra Tsunami, it is timely to establish a forum for discussing future disaster mitigation measures over the world and the challenges being faced by the scientific and engineering community. The **ISOPE-2012 Tsunami and Safety Symposium** will be held in Rhodes, Greece. This Symposium will be an opportunity to present your recent research findings and to also share experiences with other leading worldwide researchers in this field of great topical interest.

Suggested Technical Topics

The following topics are equally important but not extensive. Papers of good quality related to tsunamis are welcome:

- **2011 Japan Earthquake and Tsunami** (i.e. inverse analysis for earthquake and tsunami source, field survey on tsunami run-up height, damage on beaches and structures, drifting of vessels, evacuation of residents)
- **Tsunamis in the Eastern Mediterranean**
- **Early Tsunami Detection** (i.e. deepwater observation, real-time simulation)
- **Tsunami Nearshore Transformation and Flooding on Land** (i.e. dynamics of tsunami water with debris, interaction between tsunami water and onshore structures such as houses)
- **Seismic Liquefaction and Tsunami Action on Structures**
- **Post-Event Problem** (i.e. daily tide flooding owing to seismic land subsidence, debris in navigation channel)
- **Potential Highest Tsunami and Optimum Hard-Measure Level for Future Tsunamis**
- **Resilient Coastal Defense** (i.e. scouring on structure from tsunami overtopping)
- **Plantation/Coastal Forest as Tsunami Mitigation Measure**
- **Scouring and Other Geotechnical Issues Caused by Tsunami**
- **Experimental and Numerical Methods on Tsunami, Tsunami Pressure or Long Waves**
- **Modeling and Experiments for Landslide Tsunami Generation and Propagation**
- **Modeling and Definition of Large Co-Seismic Tsunami Sources in Tsunami Propagation Models**

All papers accepted following peer-review will be published in ISOPE conference proceedings indexed by Engineering Index (EI). High-quality papers may be selected for further review for publication on The International Journal of Offshore and Polar Engineering, indexed by Science Citation Index.

Key Dates

Abstract Submission:	30 October 2011	Manuscript for Review:	20 January 2012
		Final Manuscript Due:	24 March 2012

Please email abstracts to one of the organizing committee members with a mark * or submit online at

<http://www.isopec.org/call4papers/call4papers.htm> with topic keyword 'Tsunami' in your e-mail subject line.

Abstracts MUST include the contact author's full postal address, telephone and fax numbers, and e-mail address to facilitate communications. Other information about ISOPE-2012 can be found at <http://www.isopec.org>.

Symposium Organizing Committee

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