

## Day 2, Sunday, 9 December, 2012

<b>Chair</b>	Barbara Ryan
9.00am – 9.20am	<b>The 11 March 2011 Tōhoku Mega-thrust and Predictability of the Great Earthquakes</b> Vladimir Kossobokov
9.20am – 9.40am	<b>Extreme Seismic Events and Hazard Assessment</b> Vladimir Sokolov and Alik Ismail-Zadeh
9.40am - 10.00am	<b>Earthquakes and Tsunamis: Industrial Risks and Domino Effects</b> Ahmed Mébarki, S. Jerez and V. Pensée
10.00am – 10.20am	<b>Capacity Building in Tsunami Inundation Modeling</b> Diana J. M. Greenslade, V. V. Titov, C. W. Moore, C. Pattiaratchi, C. E. Synolakis, and U. Kanoglu
10.20am – 10.35am	<b>Understanding Challenges in the “Last-Mile”: Assessing People’s Vulnerability in Context of Tsunami Early Warning and Evacuation</b> Neysa J. Setiadi
10.35am – 10.55am	<i>Coffee break</i>
<b>Chair</b>	Ramesh Singh
10.55am – 11.15am	<b>Building a Global Earth Observation System of Systems</b> Barbara J. Ryan
11.15am – 11.35am	<b>GEOSS: Informing Risk Management and Disaster Reduction</b> Francesco Gaetani
11.35am – 11.55am	<b>Robust Satellite Techniques (RST) For Early Warning of Natural Hazards</b> Valerio Tramutoli
11.55am – 12.10pm	<b>Studying the Link Between Satellite-Detected Drought and the Atmospheric or Soil Carbon Content to Help Predict Global Warming for Nebraska, United States</b> Vijendra K. Boken

12.10pm – 12.25pm	<b>Multi-Index Global Drought Monitoring Using NASA MERRA Data</b> Amir Agha Kouchak and Zengchao Hao
12.25pm – 1.30pm	Lunch
Chair	Vladimir Kossobokov
1.30pm – 1.50pm	<b>Climatological-Hydrodynamic Storm Surge Modeling for Apalachee Bay, Florida</b> Philip Lane, Ning Lin, Kerry A. Emanuel and Jeffrey P. Donnelly
1.50pm – 2.10pm	<b>A Coupled Distributed Hydrologic and Hydraulic Model for Flash Flood Modeling</b> Phu Nguyen, S. Sorooshian, K. Hsu, A. Agha Kouchak and B. Sanders
2.10pm – 2.30pm	<b>Irrigation Management and Solutions to Cope with Agricultural Drought in Bulgaria</b> Zornitsa Popova, M. Ivanova, K. Doneva, M. Kercheva, L.S. Pereira, V. Alexandrov, and P. Alexandrova
2.30pm – 2.50pm	<b>Vulnerability of Indian Buildings in Seismic Hazards: Causes and Mitigation</b> Durgesh C Rai
2.50pm – 3.10pm	<b>Estimating Earthquake Hazard and Risk: The Example of Luzon</b> Francesco Pacchiani and Max Wyss
3.10pm – 3.30pm	<b>Precursory Variations of Gas Flux and Water Level From an Active Mud Volcano for Some Big Earthquakes in Southern Taiwan</b> T. F. Yang, J. Heinicke, C.-C. Fu, T. K. Liu, V. Walia and T. -H. Lai
<b>3.30pm – 3.50pm</b>	<b><i>Coffee break and poster viewing</i></b>
Chair	Alik Ismail-Zadeh
3.50pm – 4.10pm	<b>Post-Quake Damage Evaluation: Theoretical Framework and Applications – Case of Boumerdes (Algeria, 2003)</b> Ahmed Mébarki, S. Jerez, A. Laribi, M. Boukri, M.N. Farsi and M. Belazougui

- 4.10pm – 4.30pm      **Accelerated Subduction of the Pacific Plate After Mega-Thrust Earthquakes: Evidence from a GPS Array and Implication for Natural Hazards**  
Kosuke Heki and Yuta Mitsui
- 4.30pm – 4.50pm      **Seismically Related Observations Performed by the Satellite DEMETER**  
Michel Parrot
- 4.50pm – 5.10pm      **A Template for Moving Earthquake Forecasting Research from Experimental to Operational**  
Tom Bleier and Clark Dunson
- 5.10pm – 5.30pm      **Utilization Scheme and Performances of the Earthquake Early Warning in Japan**  
Yukio Fujinawa and Yoichi Noda
- 5.30pm – 5.50pm      **Japanese Initiative on Collaboration on Earthquakes and Volcanic Eruptions in the Asia-Pacific Region (G-EVER)**  
Shinji Takarada
- 5.50pm – 6.10pm      **In Slums of The Developing World: Considerations For Policy Makers**  
Steven J. Jensen