



9th U.S. National and 10th Canadian Conference on Earthquake Engineering
 Comptes Rendu de la 9^{ème} Conférence Nationale Américaine et
 10^{ème} Conférence Canadienne de Génie Parasismique
 July 25-29, 2010, Toronto, Ontario, Canada

The *Tsunami Society International* is a nonprofit organization dedicated to promoting awareness and mitigation of the adverse impact of tsunamis on humanity. The Society encourages regional and international cooperation for research, public education and preparedness. To accomplish these goals, TSI holds tsunami symposiums and workshops every two or three years, for the purpose of presenting recent advances in research, early warning systems and technology.

TSUNAMI SOCIETY INTERNATIONAL
FOURTH INTERNATIONAL TSUNAMI SYMPOSIUM
In conjunction with the 9th US National and 10th Canadian Conference on Earthquake Engineering
WESTIN HARBOUR CASTLE HOTEL • MARINE ROOM
Tsunami Sessions July 27-28, 2010
PRELIMINARY PROGRAM

SESSION -T18 TUESDAY JULY 27 -
Tsunami Instrumentation and Warning Systems
MODERATORS: M.A. Baptista, Edison Gica

10:10 - 10:27 1839
[OFFSHORE TSUNAMETER DATA ANALYSIS AND APPLICATIONS: DE-TIDING, QUALITY CONTROL AND MODEL VALIDATION](#)
 N.A. Donoho, S.K. Gill, K. Glebushko

10:28 - 10:45 1836
[MONITORING DETECTING AND WARNING OF TSUNAMIS](#)
 Baptista M A, Matias L., Carrilho F., Annunziato A., J.M.Miranda, Omira, R.

10:46 - 11:03 1843
[NOAA'S SHORT-TERM INUNDATION FORECAST FOR TSUNAMIS -VALIDATION OF THE INVERSION SCHEME AND USE FOR TSUNAMI HAZARD ASSESSMENT](#)
 Edison Gica, Michael C. Spillane, Donald B. Percivaland Vasily V. Titov

Risk Analysis
MODERATORS: S. Farreras ,V. Cedillos

11:04 - 11:21 1837
[TSUNAMI IMPACT ON NEWFOUNDLAND, CANADA, DUE TO FAR-FIELD GENERATED TSUNAMIS. IMPLICATIONS ON HAZARD ASSESSMENT†](#)
 J. Roger, M.A. Baptista, D. Mosher, H. Hébert, A. Sahal

11:22 - 11:40 1844
[Towards a National Tsunami Hazard Map for Canada: Tsunami Sources†](#)
 L. J. Leonard, R.D. Hyndman, and G.C. Rogers

LUNCH BREAK (Tsunami Awards)

T30 TUESDAY JULY 27 -
Experimental Modeling
MODERATORS: Tad Murty, L. Amir,

13:30 - 13:46 1855
[FORECAST ALGORITHM FOR INTERPLATE GENERATED TSUNAMIS CALIBRATED BY DRAG FORCE TRANSPORT OF EASTER ISLAND MONOLITHS](#)
 S.F. Farreras and M. Ortiz

13:47 - 14:03 1853
[NUMERICAL MODELING OF TSUNAMI WAVES IN FRENCH WEST INDIES](#)
 N. Zahibo, E. Pelinovsky, I. Nikolkina

14:04 - 14:20 1846
[THE EARTHQUAKE AND TSUNAMI OF 365 A.D. IN THE EASTERN MEDITERRANEAN SEA](#)
 G. Pararas-Carayannis and C. L. Mader

Tsunami Engineering
MODERATORS: K.T. Chau, Ian Nistor

14:21 - 14:37 1840
[ESTIMATION OF TSUNAMI FORCES ON INFRASTRUCTURE: FIELD INVESTIGATIONS AND PHYSICAL AND NUMERICAL MODELING](#)
 I. Nistor, D. Palermo, M. Saatcioglu, T.S. Murty

14:38 - 14:54 1850
[ON-SHORE HYDRAULIC LOADS: EARTHQUAKE EXCITED TSUNAMIS](#)
 Angelo Emmanuel Thurairajah

14:55 - 15:10 1857
[1857- LABORATORY EXPERIMENTS ON HYDRODYNAMIC PERFORMANCES OF MANGROVE FOREST AGAINST TSUNAMI IMPACT](#)
 A. Strusińska, S., Husrin, H. Oumeraci

Session - W10 WEDNESDAY 28 JULY 2010
10:00-10:33: Chile/Haiti Earthquakes/Tsunamis

10:00-10:16: "Engineering Significance and Lessons Learned from the February 27 Chilean Earthquake and Tsunami"

Murat Saatcioglu, Ioan Nistor

10:17-10:33: "Overview of Chile/Haiti 2010 Earthquakes and Tsunamis - Assessment of Future Risks"
George Pararas-Carayannis

Numerical Modeling
MODERATORS: N. Zahibo, Z. Xu

10:34 - 10:50 1852
[THE STUDY OF INDIAN OCEAN TSUNAMI 26 DECEMBER 2004 : ANALYSIS OF NATURE OF SEISMIC SOURCE FOR THE EARTHQUAKE](#)

R. Mazova, B. Kisel'man, L. Kataeva, and L. Lobkovsky

10:51 - 11:06 1856
[DISCRETIZED GLOBAL OPERATORS AND ALL-SOURCE GREEN'S FUNCTIONS OF SHALLOW WATER EQUATIONS FOR REAL-TIME SIMULATIONS OF TSUNAMI ARRIVALS](#)
Zhigang Xu

11:07 - 11:23 1841 (WITHDRAWN)
[METHOD OF LINES SIMULATIONS OF TSUNAMI AND UNDULAR BORE PROPAGATION IN RIVERS](#)
S. Samir, I. Nistor, J. Gottlieb, T.S. Murty, M. Al-Riffai

11:07 -11:23 Not listed in the program
THE POSSIBILITY OF THE RESONANT TSUNAMI GENERATION BY SUBMARINE LANDSLIDE
An. G. Marchuk

11:24 - 11:40 1842
[GRAIN-SIZE AND THIN SECTION CHARACTERISTICS OF TSUNAMI SEDIMENTS FROM KHAO LAK, THAILAND](#)
Chanchai Srisutamand and Jean-Frank Wagner

W21 WEDNESDAY 28 JULY 2010
General Session :Tsunami Preparedness
MODERATORS: Leonard, I. Charvet,

13:00 - 13:16 1854
[An Evaluation of Infrastructure for Tsunami Evacuation in Padang, West Sumatra, Indonesia](#)
V.Cedillos, N. Canney, G. Deierlein, S. Henderson, F. Ismail, A.Syukri, J.Toth, K. Wood

13:17 - 13:33 1845
[LOCAL SITE CONDITIONS INFLUENCING EARTHQUAKE INTENSITIES AND SECONDARY EFFECTS IN THE SEA OF MARMARA REGION - Application of Standardized Remote Sensing and GIS-Methods in Detecting Potentially Vulnerable Areas to Earthquakes, Tsunamis and Other Hazards](#)
G. Pararas-Carayannis, B. Theilen-Willige, H. Wenzel

13:34 - 13:50 1838
[APPRAISAL OF THE 1790 ALBORAN TSUNAMI SOURCE IN THE WEST MEDITERRANEAN SEA AS INFERRED FROM NUMERICAL MODELLING: Insights for the Tsunami Hazard in Algeria](#)
L. Amirand A. Cisternas

Numerical Modeling
MODERATORS: R. Mazova, S.Rajasekaran

13:51 - 14:06 1847
[ANALYTICAL SOLUTIONS OF TSUNAMI WAVES INDUCED BY SEA FLOOR COLLAPSES](#)
K.T. Chau

14:07 - 14:23 1848
[ADVANCES IN PHYSICAL MODELLING OF NEARSHORE TSUNAMI WAVES AND THEIR IMPACT USING A UNIQUE TSUNAMI GENERATOR](#)
I. Charvet, T.Rossetto, W.Allsop, T.Lloyd, T.Robinson4, and D.Robinson

14:24 - 14:40 1851
[A GEOMETRIC MODEL FOR PROPAGATION OF TSUNAMI WAVES](#)
S. Rajasekaran and E.Syed Mohamed