Curriculum vitae

Personal

Name: LI, Linlin

Research

My research interests focus on the sediment movement induced tsunamis. I use numerical models to investigate the physical processes of tsunami inundation and sediment transport. An important goal of my research is to better understand the relationship between tsunami deposits and hydrodynamics and to help further assess the palaeo-tsunami hazard in tsunami-prone area. I'm also developing inversion models which could invert tsunami source parameters from tsunami waveforms and surveyed tsunami data.

Education

2003-2009 PhD in Hydraulic Engineering: Department of Hydraulic Engineering Tsinghua University, Beijing, China

1999-2003 Bsc in Hydraulic Engineering:Department of Environment and Water Conservancy Engineering, Zhengzhou University, China

Research Experiences

2009.09- Present Research Fellow, Earth Observatory of Singapore, Nanyang technological University, Singapore

2007.09 -2008.01 Research assistant in the project on building the analyzing model of supervisory information to control the construction risk of South-to-North Water Diversion in China, sponsored by South-to-North Water Diversion Construction Council of State Department

2005.06 -2005.08 Engineering training in Beijing Institute of Survey, Planning, Design and Research.

2004.06-2005.08 Engineering training in Kunming Institute of Survey, Planning, Design and Research, Yunnan.

Publications

1) **L.L. Li**, Z.H. Huang. (2013). Modeling the change of beach profile under tsunami waves: a comparison of selected sediment transport models, Journal of Earthquake and Tsunami.7 (1), 1-29.

2) **L.L. Li**, Z.H. Huang, Q. Qiu, D.H. Natawidjaja, K. Sieh. (2012). Tsunami-induced coastal change: scenario studies for Painan, West Sumatra, Indonesia, Earth, Planets and Space.64, 799-816.
3) **L.L. Li**, Q. Qiu, Z.H. Huang. (2012). Numerical modeling of the morphological change in Lhok Nga, west Banda Aceh, during the 2004 Indian Ocean tsunami: Understanding tsunami deposits using a forward modeling method, Nat. Hazards.64 (2), 1549-1574.
4) E.M. Hill, J.C. Borrero, Z. Huang, Q. Qiu, P. Banerjee, D.H. Natawidjaja, P. Elosegui, H.M. Fritz, B.W. Suwargadi, I.R. Pranantyo, **L.L. Li**, K.A. Macpherson, V. Skanavis, C.E. Synolakis, K. Sieh. (2012). The 2010 M w 7.8 Mentawai earthquake: Very shallow source of a rare tsunami earthquake determined from tsunami field survey and near-field GPS data, Journal of Geophysical Research B: Solid Earth.117 (6).