

Harvard University Solid Earth Physics Seminar

Tsunami(s): What have we learnt?

Emile A. Okal
Department of Geological Sciences,
Northwestern University, Evanston, Illinois

Abstract:

The Sumatra earthquake of 2004 was the largest in 40, and perhaps 45, years, during which time several scientific and technological revolutions took place. It unleashed what was undoubtedly the most lethal tsunami in the history of mankind. As a result, our perception of many concepts in seismology, tectonics, and tsunami science have changed significantly. In particular, the tsunami was so large that it was recorded by many technologies not designed for that purpose, which illustrates interesting examples of coupling between various media, including the atmosphere and the solid Earth. We also discuss lessons learned during field surveys and from the real-time handling of alerts by warning centers during the 2004 tsunami, as well as subsequent ones

Friday, 16 November 2007, 3:00 pm
Room 100F Pierce Hall, 29 Oxford Street