

Center for Environmental & Applied Fluid Mechanics

Speaker: Prof. Robert A. Dalrymple (JHU | Civil Engineering)

Title: *"The Tōhoku-Oki Tsunami of 2011"*

Date: **Friday, September 30, 2011**

Time: 11:00 a.m.

Location: Gilman Hall 50 (Marjorie M. Fisher Hall)

Abstract

On the afternoon of March 11, 2011, the largest earthquake in Japanese history struck off the coast of Sendai, Japan, creating a disastrous tsunami. This talk focuses on the tsunami as it slammed into the Japanese coastline and propagated across the Pacific Ocean.

The efficacy of the Japanese warning system and the Pacific Warning System with its DART buoys will be discussed. Various numerical models of tsunami wave propagation will be shown, illustrating the reach of the tsunami across the Pacific Ocean. Finally, tsunami protection systems and their sufficiency and necessity will be discussed.

Bio

Robert A. Dalrymple is the Willard & Lillian Hackerman Professor of Civil Engineering at Johns Hopkins University, teaching coastal engineering. He has been involved in natural hazards since being involved in field inspections after the Indian Ocean Tsunami of 2004 and the flooding of New Orleans by Hurricane Katrina in 2005.