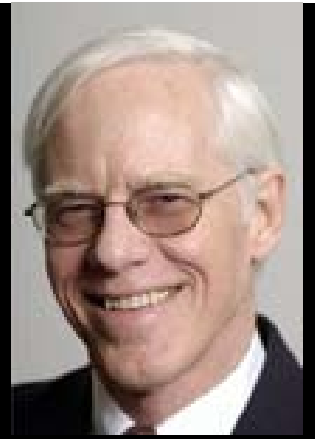


College of Engineering

Department of Civil and Environmental Engineering

2009 Robert M. and Mary Haythornthwaite
Foundation Distinguished Lecture Series



Dr. Robert A Dalrymple
Willard and Lillian
Hackerman Professor
of Civil Engineering
The Johns Hopkins
University

Dealing with Coastal Hazards: Hurricanes, Sea Level Rise, and Waves

March 6, 2009
12:40 - 1:30 PM
College of Engineering
Room 126

Hurricane Katrina and the Indian Ocean Tsunami are a part of the range of disasters that can occur naturally at the coastal line. In addition to these types of sudden disasters, there are slower processes, such as sea level rise and wetlands loss, have similar impacts on our shorelines.

The speaker was one of the first teams of experts to examine the levee failures in New Orleans after Hurricane Katrina. Some of the lessons learned there are applicable to other locations, but some are unique to Louisiana, which is suffering significant on-going wetlands loss. How do engineers deal with a shoreline that is losing 24 square miles per year?

Profile

Dr. Dalrymple is the Willard & Lillian Hackerman Professor of Civil Engineering at Johns Hopkins University. His research interests are focused on water waves, near-shore hydrodynamics, coastal processes, and modeling free surface flows. His current interests are water wave modeling, tsunamis and their impact on shorelines, and the interaction of water waves with the sea bed, specifically mud bottoms. He teaches courses in coastal engineering, coastal modeling and civil engineering analysis. Dr. Dalrymple has authored more than 100 peer-reviewed publications and book chapters, 50 technical reports and he has also authored or edited six books. He serves as Chair on the Committee on the Review of the Louisiana Coastal Protection and Restoration (LACPR) Program, National Research Council and on the Marine Board of the Transportation Research Board of the National Academy of Sciences. In addition he is Chair of the Coastal Engineering Research Council of the ASCE.