

Past Speakers

- 2017 Dr. David R. Maidment
Hussein M. Alharthy Centennial Chair
Civil Engineering
University of Texas at Austin
- 2016 Dr. Rafael L. Bras
Provost & Executive Vice President for
Academic Affairs
Professor, CEE & School of Earth &
Atmospheric Sciences
K. Harrison Brown Family Chair
Georgia Institute of Technology
- 2015 Dr. Vijay P. Singh
Distinguished Professor &
Caroline & William N. Lehrer
Distinguished Chair in Water
Engineering
Texas A&M University
- 2014 Dr. Larry W. Mays
Renown Author
Professor of Civil, Environmental and
Sustainable Engineering and the Built
Environment
Arizona State University
- 2013 Dr. Lindell Ormsbee
Director of the Kentucky Water
Resources Research Institute
Professor of Civil Engineering
University of Kentucky
- 2012 Dr. Kalanith Vairavamoorthy
Executive Director of Patel School of
Global Sustainability
Professor of Civil and Environmental
Engineering
University of South Florida

The G.V. Loganathan Distinguished Lecture



Presented by Dr. Robert A. Dalrymple

**Willard & Lillian Hackerman Professor
of Civil Engineering
Department of Civil Engineering
Johns Hopkins University**

**Friday, April 13, 2018
3:00 pm in The Owens Banquet Room**

The **G.V. Loganathan Distinguished Lecture Series** was established to honor the contributions of scholarship, instruction and service by Dr. G.V. Loganathan in the area of water resources engineering and in memory of Dr. Loganathan and his students of the Advanced Hydrology class, 2007.

G.V. Loganathan was an internationally renowned researcher in the field of engineering hydrology and water resources systems. G.V. joined the Virginia Tech faculty in 1982 after completing his Ph.D. degree from the School of Civil Engineering at Purdue University. G.V. wrote more than 150 peer-reviewed academic publications on a variety of topics including urban stormwater hydrology, drought modeling and low-flow analysis, optimization and decision analysis and drinking-water infrastructure. He received the ASCE Wesley W. Horner Best Paper Award in 1996. He was named the Outstanding Civil Engineer of the Year by the Virginia Section of the American Society of Civil Engineers in 2007.

G.V. was the five-time recipient of the CEE Faculty Achievement Award; an annual award determined by the CEE student body. He was dedicated to his students; both undergraduate and graduate students. G.V. directed 42 graduate students including 8 Ph.D. dissertations.

The G.V. Loganathan Memorial Fellowship was established in loving memory and in his honor for graduate students working in G.V.'s area of research. Other scholarships in honor of students of the 2007 Advanced Hydrology class are the Brian Roy Bluhm Memorial Graduate Fellowship for VT BSCE graduates in water resources engineering, the Matthew Gwaltney Memorial Graduate Fellowship for graduate studies in water resources engineering, and the Jeremy Herbstritt Memorial Internship established through the Edna Bailey Sussman Foundation.

Abstract

"Accelerated Sea Level Rise and Coastal Engineering in the Anthropocene"

Sea levels are rising faster around the world than previously envisioned and they are accelerating. Nuisance flooding in coastal cities has increased dramatically in the last fifty years--it is the vanguard of future inundation. The current state of the science for relative sea level rise will be briefly reviewed.

For centuries, hard structures, such as breakwaters, groins, and sea walls, have been used to stop coastal erosion; however, the current emphasis for shore protection is on softer and greener approaches. Beach nourishment, wetlands, and other green approaches will be discussed in the context of protecting coastal cities.

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"Accelerated Sea Level Rise and Coastal Engineering in the Anthropocene"

Reception to follow

Biography

ROBERT A. DALRYMPLE is the Willard and Lillian Hackerman Professor Emeritus of Civil Engineering at Johns Hopkins University and is currently Distinguished Professor of Coastal Engineering in the Civil & Environmental Engineering Department of Northwestern University. His major research interests are in the areas of coastal engineering, wave mechanics, fluid mechanics, littoral processes, and tidal inlets. His research currently explores water wave modeling, tsunamis and their impacts on shorelines. Dr. Dalrymple was elected to the National Academy of Engineering in 2006. He chaired the National Academy of Sciences' Committee on the Review of the Louisiana Coastal Protection and Restoration Program and the Committee on Sea Level Rise in California, Oregon, and Washington. Dr. Dalrymple received his A.B. degree in engineering sciences from Dartmouth University, his M.S. degree in ocean engineering from the University of Hawaii, and his Ph.D. degree in civil and coastal engineering from the University of Florida.