

Bock Memorial Lecture Series

The Bock Memorial Lecture Series was established at the United States Naval Academy in March 1993 in honor of the late Professor Emeritus Arthur E. Bock. Professor Bock was born in Dubuque, Iowa, on September 30, 1916. He was a graduate of Kansas State University where he earned a Bachelor of Science degree in mechanical engineering. Later he received a Master's degree in engineering from Virginia Polytechnic Institute where he was a faculty member from 1940-1944.

Professor Bock served as a naval officer from 1944-1946, during which time he was an engineering instructor at the Naval Academy. He became a civilian faculty member in the Academy's Marine Engineering Department in 1946, eventually attaining the rank of full professor. While at the Academy, Professor Bock served as chairman of the Naval Engineering Department, as a senior professor of engineering, and was a member of many boards and committees.

A leading authority in the field of marine engineering, Professor Bock was coauthor of the book, *Elements of Applied Thermodynamics*, which has five editions and was used by midshipmen for more than 40 years. For his contribution to the Academy, he was named Professor Emeritus by the Secretary of the Navy upon his retirement in 1981. Professor Bock passed away on February 25, 1989.

The purpose of this series is to support and enhance academic excellence in the Department of Naval Architecture and Ocean Engineering by inviting world-renowned personalities who have made substantial contributions to the disciplines.

The Bock Memorial Lecture Series is funded by the Arthur Bock Endowment established in September 1991 from a gift by the estate of the late Professor Arthur Bock. Funds generated from this endowment are intended to support and enhance academic excellence in the Department of Naval Architecture and Ocean Engineering.

Previous Bock Lecturers

Fall 2015

Jack Springer
CEO Malibu Boats & Axis Wake Research

Spring 2015

Jack J. Buono
CEO Seariver Maritime, Inc.
An ExxonMobil Affiliate

Fall 2014

Dr. Clark 'Corky' Graham
CEO, LET'S GO Boys & Girls

Spring 2014

Brig. Gen. Kent D. Savre
CG, USACE North Atlantic

Fall 2013

Mr. R. Keith Michel
President, Webb Institute

Spring 2013

Mr. William Levis
President and COO, PSEG Power

Fall 2012

RADM Matthew Klunder, USN

Spring 2012

Mr. Mark D. Gordon
Odyssey Marine Exploration

Fall 2011

CAPT David A. Roberts, USN
CO, Submarine School

Spring 2011

Dr. Robert G. Dean
Emeritus Professor of Coastal and
Oceanographic Engineering
University of Florida

Fall 2010

Dr. William H. Moore
American Steamship Owners Mutual Protection
and Indemnity Association

Spring 2010

RDML David C. Johnson, USN

Fall 2009

David W. Jourdan
President, Nauticus

Spring 2009

Dr. Sylvia Earle
National Geographic Society

Fall 2008

Mike Petters
Northrop Grumman Shipbuilding

Spring 2008

CAPT James R. Wilkins, III, USN (Ret.)

Fall 2007

ADM Robert E. Kramek, USCG (Ret.)

Spring 2007

Mr. Gordon Sterling
Shell Oil Company

Fall 2006

Mr. Howard Fireman
NAVSEA

Spring 2006

Dr. John Spencer
National Transportation Safety Board

Fall 2005

Dr. Larry Mayer
University of New Hampshire

Spring 2005

Mr. William W. Rogalski, Jr.
Northrop Grumman Ship Systems

Spring 2004

RADM Malcolm MacKinnon III,
USN (Ret.)

Spring 2003

Dr. Henry Petroski
Duke University

Fall 2002

Dr. Joseph MacInnis
Undersea Research, LTD.

Spring 2002

RADM John Mooney, Jr., USN (Ret.)

Spring 2001

Professor Robert Bea
University of California, Berkeley

Fall 2000

Mr. Clay Oliver
Team New Zealand's America's Cup

Spring 2000

Dr. Dana R. Yoerger
Woods Hole Oceanographic Institute

Fall 1999

Dr. Jacque B. Hadler
Webb Institute

Spring 1999

Mr. Orville T. Magoon
Coastal Zone Foundation

Fall 1998

Mr. Orrin Pilkey
Duke University

Spring 1998

Mr. Ben Gerwick
Ben C. Gerwick, Inc.

Fall 1997

Dr. Donald Blount
Donald L. Blount & Associates, Inc.

Spring 1997

Dr. William B. Morgan
David Taylor Research Center

Fall 1996

CAPT Raymond S. McCord, USN

Spring 1996

Mr. William Garzke, Jr.
Gibbs & Cox, Inc.

Fall 1995

ADM James D. Watkins, USN (Ret.)

Spring 1995

CAPT Harry A. Jackson, USN (Ret.)

Fall 1994

Dr. Donald Walsh
International Maritime Incorporated

Spring 2016

BOCK MEMORIAL LECTURE SERIES



UNITED STATES NAVAL ACADEMY

Rising Sea Level: Engineering Challenge of the Century

Presented by

John Englander

Oceanographer & Leading Expert on Sea Level Rise

Tuesday, March 29, 2016

12:30 p.m.

Mahan Hall Auditorium

John Englander

John Englander is an oceanographer, consultant and leading expert on sea level rise. His broad marine science background along with explorations to Greenland and Antarctica and degrees in geology and economics allows him to see the big picture on the financial and societal impacts of rising sea levels.

He brings the diverse points of view of an industry scientist, entrepreneur and business executive. For over 30 years, he has been a leader in both the private and non-profit sectors, serving as Chief Executive Officer for such noteworthy organizations as The International SeaKeepers and The Cousteau Society. The legendary Captain Jacques Cousteau tapped John to succeed him as CEO.

Today, as the Founder of the Rising Seas Group, Mr. Englander works with businesses, government agencies and communities to understand the effects and risks of sea level rise and the need for “intelligent adaptation”. He has advised the US Navy, FEMA, US Coast Guard, and the US Congress on the long-term national security issues posed by rising sea levels.

Mr. Englander clearly explains the current projections and the “uncertainties” that could yield considerably higher sea level as early as mid-century. He believes that as sea level continues to rise for centuries it will present one of the greatest challenges and opportunities to many engineering related fields.

His bestselling book, *High Tide On Main Street: Rising Sea Level and the Coming Coastal Crisis*, explains the latest science, the impending economic impacts and the opportunity to design for a more resilient future. He believes that along with the tremendous risks in the coming decades there will also be enormous economic opportunities that will allow us to thrive if we begin now to plan and adapt.

Mr. Englander is a Fellow of the Institute of Marine Engineering, Science and Technology (IMarEST), a Fellow of the Explorers Club and a Research Fellow at the Institute of Marine Sciences – UC-Santa Cruz.

Mr. Englander has logged more than five thousand dives including dives under the Arctic ice cap and for many years was a Master Scuba Instructor. He also has more than three thousand hours as pilot-in-command, fixed wing aircraft.

PROGRAM

INTRODUCTION

Professor David L. Kriebel
*Chair, Department of
Naval Architecture and Ocean Engineering
United States Naval Academy*

ADDRESS

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Leading Expert on Sea Level Rise*

