

## Agenda

### Special Session on AASHTO T-5 (Loads), Coastal Bridge Guide Specifications

Monday, July 28, 6:00 pm  
Carolina B, Mezzanine

An overview on the development of the guide specifications on the design of coastal bridges for hurricane surge and wave action.

This topic will be presented by three very distinguished speakers who have been intimately involved in the development of these specifications.

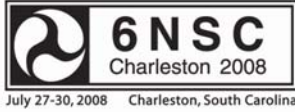
Following their presentations, there will be a period of questions and answers as well as an open discussion on this and any other related topics.

The three presenters are:

- Dr. John M. Kulicki ..... Introduction
- Dr. D. Max Shepard ..... Met/Ocean, conditions and wave forces
- Dr. Thomas P. Murphy ..... Calibration, conclusions and future work

Other items

Adjourn



## Presenter Biographies

### **John M. Kulicki**

Dr. Kulicki has over thirty five years of experience covering virtually all aspects of bridge analysis and design, combined with significant experience in bridge related research and education of other design professionals. He received his B.S from Lafayette College and M.S. and Ph.D. from Lehigh University, all in Civil Engineering. In 1974 he joined Modjeski and Masters and is currently Chairman/CEO. As a manager of design projects, he develops design criteria and supervises all phases of design. He was the Principal Investigator for the FHWA project that led to the *AASHTO Guide Specifications for Bridges Vulnerable to Coastal Storms*. Prior to joining Modjeski and Masters, Dr. Kulicki was a Visiting Assistant Professor at Lehigh University and an Assistant Professor at Lafayette College.

### **Thomas P. Murphy**

Dr. Thomas Murphy is an Associate with Modjeski and Masters, Inc. in the Harrisburg, PA office. His professional experience includes the analysis and design of cable supported, arch, truss, and girder bridges with special emphasis on seismic analysis and design. He is the Principal Investigator for an NCHRP project to update the AASHTO Pedestrian Bridge Guide Specification, and led the calibration effort for the recently adopted AASHTO coastal bridge guide specification. He is a graduate of the University of Michigan with Bachelor, Master, and Doctoral degrees in Civil Engineering.

### **D. Max Shepard**

Dr. Sheppard is President and Founder of Ocean Engineering Associates, Inc. in Gainesville, Florida and Professor Emeritus in the Civil and Coastal Engineering Department at the University of Florida. While on leave from the University of Florida he served as Head of the Oceanography Program at Mobil Research and Development Corporations Offshore Engineering Center in Dallas, Texas for 3 years with responsibility for providing design meteorological and oceanographic loads on Mobil's offshore structures worldwide. Areas of interest and experience include wave loading on structures, cohesionless and cohesive sediment scour at bridge foundations, erosion protection for coastal highways and storm surge and wave hindcasting. He has conducted laboratory local scour experiments in a number of flumes within the U.S. and in New Zealand and developed local scour prediction methods/equations that are used on all FDOT Bridges in Florida and many high profile bridges throughout the U.S. He has Bachelor, Master, and Ph.D. degrees in Mechanical Engineering.