

Presents:

Guest Speaker:

Dr. Ole Svenstrup Petersen

Head of Research in Coastal and Estuarine Engineering
Danish Hydraulic Institute (DHI)
Denmark's DHI Head Office

Wednesday, May 22, 2013

10:00am

MIT Sea Grant College Program
292 Main Street
MIT Building E38 - 3rd Floor Conference Room

Seminar Topic:

Numerical Models for Coastal Flooding and Marine Flows

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Biography:

Dr. Ole Svenstrup Petersen was educated at Aalborg University, Department of Civil Engineering and has a MSc. in Environmental Engineering and later received his Ph.D. from the same institute. He served as a lecturer in Environmental Fluid Mechanics, before joining DHI in 1997, as researcher project engineer. He is now the Head of Research in Coastal and Estuarine Engineering. Dr. Petersen's main interests are in development and application of numerical models for marine applications such as three-dimensional and stratified flows, coastal flooding or marine transports.

Abstract:

On application of models for coastal flooding and marine flows. The talk will give a brief introduction to DHI's marine modeling system, its background, assumptions and functionality. Examples of model applications in marine and coastal engineering, with focus will be on coastal flooding and coastal protection will be discussed.



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