



**Proudly introduces Short Courses
In conjunction with OMAE 2009
Honolulu, Hawaii**

Ice Engineering - May 30, 2009

Walter L. Kuehnlein, Ph.D., Director, Hamburg Ship Model Basin and Chair, sea2ice, Germany

- Different kinds of ice
- Ice failure modes
- Forces & consequences due to ice
- Overview of empirical approaches to determine ice loads
- Ice model tests & examples
- Short introduction of theoretical ice models
- Design philosophies in ice

Vortex-Induced Vibrations - May 31, 2009

Robert D. Blevins, Ph.D., Chief of Structural Dynamics at Rohr Industries, California

- Dimensional analysis for flow & vibration
- Vibration & fluid theory applied to flow-induced vibration
- Experimental Results for VIV
- Theoretical & semi-empirical methods for VIV
- Suppression of VIV

Wave Energy - May 31, 2009

Teresa Pontes, Ph.D., Head of Wave Energy, INETI — National Laboratory on Engineering Technology and Innovation, Portugal

Antonio Falcao, Ph.D., Professor, Head of Wave Energy, Technical University of Lisbon, Portugal

- Wave energy resource
- Introduction to wave energy conversion
- Technology
- Overview of world situation, policies & perspectives

Course Fees:

Early Bird Discounts (on or before 3/31/09)

Member Rate: Early Bird: \$700

Non-Member Rate: Early Bird: \$800

Post Early Bird Fees (beginning 4/1/09)

Member Rate: \$795

Non-Member Rate: \$895

For registration, please visit

www.omaе2009.com

For questions, contact:

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