



SNAME Bulletin March 11, 2010

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“Practical Seakeeping” comes to Washington, DC April 7 to May 5 - taught by Dr. Ed Lewandowski

**Continuing Education Opportunity for Ship Design and Integration Professionals
Presented by the SNAME Chesapeake Section and ASNE**

The Chesapeake Section of the Society of Naval Architects and Marine Engineers (SNAME) and The American Society of Naval Engineers (ASNE) presents “Practical Seakeeping” by Dr. Ed Lewandowski.

WHO SHOULD ATTEND: Professionals and managers involved in ship design and integration. **This course is only open to US citizens**

DESCRIPTION: This course will provide the background necessary to understand seakeeping specifications and reports. After a general discussion of performance requirements, the specification of the wave environment will be described, including definitions of sea states and wave spectra as well as identification of sources of data. Determination of the ship response to the waves will next be explored, including use of model tests and prediction tools; the available tools will be described and compared. Quantitative measures of seakeeping performance, including absolute and relative motions, motions-at-a-point, slamming, MSI and MII, will be defined. Use of these quantitative measures in conjunction with performance criteria for the development of operability indices will be explained. Finally, several examples will be considered, including a detailed examination of a seakeeping test report and development of an operability index.

Familiarity with basic naval architecture is assumed. Note that the theory of ship motions will not be developed in this course; the emphasis is on the understanding and practical use of the input and output of the available prediction tools.

DATES & TIME April 7, 14, 21, 28 & May 5, 2010 (Total of 5 Sessions) - 12 NOON TO 1:30 PM

PLACE: Maritime Plaza 2, Rooms 240/241; 1220 12th Street, SE; Washington, DC 20003

FEES*: \$200 for SNAME & ASNE Members
\$300 for nonmembers of SNAME or ASNE over age 30
\$275 for nonmembers of SNAME or ASNE under age 30
*Group discount: five or more members from one employer register for the price of four.

PE CREDIT: 0.8 continuing education units (CEU) can be earned for engineers in the renewal their professional licenses. An additional fee of \$25 will be needed for the paperwork associated with the necessary documentation.

INCENTIVE: Non-members will be invited to apply for a one (1) year complimentary membership in SNAME.

REGISTRATION: Contact Bill Garzke to register: WGarzke@CSC.com or by phone at (202)-675-8542

The Society of Naval Architects and Marine Engineers

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