

FATIGUE AND FRACTURE COURSE FOR ENGINEERING PROFESSIONAL DEVELOPMENT

Industry professionals will soon be able to log Continuing Education Units (CEU's) for a fatigue and fracture analysis of ship structures course being run by BMT Fleet Technology Ltd, organized on behalf of the US Ship Structure Committee, will be held in Arlington, VA, in February 2005. The course has been accredited by the Society of Naval Architects and Marine Engineers (SNAME) for Continuing Professional Competency of Professional Engineers licensed in New York State, and has been assigned 17 Professional Development Hours, equivalent to 1.7 CEU's.

In recent years, tremendous advances have been made in the application of quantitative fatigue and fracture assessment procedures for ship structures. These advances facilitate the safe and cost-effective decisions in design, material specification and maintenance of structures.

The Ship Structure Committee (SSC) has previously sponsored five of these short courses designed to impart existing knowledge to those engaged in ship structural design and to demonstrate its application through practical examples. The success of these courses, covering issues such as recent developments in construction approaches and materials, load components and stress analysis, in addition to the effect of the environment on fatigue performance and damage tolerance, has resulted in demand for a sixth course.

The information and concepts discussed in this course are applicable from the design stage through operations, including material selection and maintenance and inspection decisions. Additional issues such as the behaviour of aluminum and the effects of fabrication and detailing practices will be explored in the 2005 program and increased sample applications are slated for discussion.

Internationally recognized experts in the application of fracture mechanics based methodologies will present and discuss the course material, providing opportunities for participants to interact with the course leaders.

Further information on fatigue and fracture analysis of ship structures can be obtained at www.fleetech.com. To register for the course contact Shannon Nicholson at SNicholson@fleetech.com.