



CALL FOR PAPERS - **DEADLINE EXTENDED**



***Electric Ship Design Symposium 2009***  
***An international event presented by***  
***The American Society of Naval Engineers (ASNE) &***  
***The Society of Naval Architects and Marine Engineers (SNAME)***

Date: 12-13 February 2009

Gaylord Hotel at National Harbor, Maryland

The age of the electric ship is upon us. Both naval warships and commercial ships are increasingly using integrated power systems employing electricity to power propulsion and ship service systems. In naval applications, advanced sensors, novel propulsion/mobility systems, and combat systems are enabled by the electric warship. These new capabilities offer opportunities to radically change the types and number of ships comprising the future fleet to reduce Total Ownership Cost while still meeting the fleet demands in a very dynamic business and security environment. Likewise, similar opportunities exist for the offshore industry, shipping industry, and cruise line industry to take advantage of integrated power systems to increase revenue and profitability. This ASNE/SNAME symposium will explore through panel discussion, conference papers, and workshop breakout sessions, the opportunities that the electric ship will have on ship and fleet design of the future and identify key barriers and enablers to realize these opportunities. Technical papers suitable for group presentation and stimulating workshop discussions are sought concerning exploiting the capabilities offered by the electric ship in future ship design.

Please submit proposals for papers or presentations on any related topic including the following:

- New missions enabled by “the electric ship” for naval ships, cruise ships, offshore vessels, merchant ships, mega yachts, service craft, etc.
- Novel mobility system concepts (hull - propulsion - appendage systems, economic speeds, maneuvering and control, directional stability, other ship performance characteristics)
- Novel ship architectures and arrangement concepts enabled by electric ships
- Novel ship safety, survivability, and environmental control features enabled by electric ships
- Future combat system architectures, capabilities and weapon systems enabled by electric ships
- Force/Fleet architecture alternatives to address future force/fleet needs
- Ship/System design practices, processes and tools necessary to design future electric ships
- Design-Build strategies and other ship production opportunities enabled by electric ships
- Cost-effective technology insertion due to velocity of change and obsolescence of equipment,
- Availability of technical support, spare parts and other logistics support on a world wide basis
- Ability to perform maintenance, especially on large machines built with new technologies
- Availability of technically competent crews to operate and maintain the equipment
- Career development of engineers to develop, design, build and support electric ships
- Affordability of electric ships and systems
- Human Systems Integration in the design of electric ships and systems

Submit a one-page Microsoft Word abstract/proposal by e-mail before the **extended deadline** of **July 15, 2008**.

Proposals should include:

- Paper title
- Name(s) of principal author(s) and organization(s)
- Primary point of contact, address, telephone and facsimile numbers, and e-mail address
- Text providing sufficient detail for the Technical Papers Committee to perform a review. The text should include a problem statement or introduction, an outline of the key points to be made in the paper, and conclusions or recommendations

ALL PAPERS MUST BE SUBMITTED ELECTRONICALLY. Selected authors will be notified in August 2008. Draft papers for review will be due October 30, 2008. Final Papers will be due December 31, 2008. Final Presentations will be due January 16, 2009

Please forward your abstracts to: [ESDS2009@navalengineers.org](mailto:ESDS2009@navalengineers.org)