

# **Systems Technology Major Initiative Panel**

- **Funded under NSRP A.S.E. Program**
- **Affiliated with SNAME Ship Production Committee**
- **Panel Mission**
  - **The Systems Technology Panel provides a public forum for discussing the overall application of information technologies to shipbuilding. It includes the underlying information systems infrastructure required to support the other NSRP A.S.E. initiatives**
- **Panel Focus**
  - **Technology Transfer**
  - **Networking**

# **Systems Technology Panel Chairperson**

- **Serves for 2 Year Term**
- **Must be Employed by a Shipyard**
- **Must be a Member of SNAME**
- **Currently:**
  - **Dr. Burton Gischner**
  - **Electric Boat Corporation**
  - **E-Mail:** **bgischne@gdeb.com**
  - **Phone:** **860-433-3948**
  - **Term of Office Expires:** **January 2011**

# **Systems Technology Panel**

## **Vice-Chairperson**

- **Serves for 2 Year Term**
- **Currently:**
  - **Dr. Gerald Radack**
  - **Concurrent Technologies Corporation (CTC)**
  - **E-Mail:** **radack@ctc.com**
  - **Phone:** **610-449-3853**
  - **Term of Office Expires:** **December 2009**
- **Election for Panel Vice-Chair will take place at Systems Technology Panel Meeting in New Orleans, LA in December 2009**

# **Status of NSRP Panels for 2010**

- **As the forecast for NSRP funding for 2010 is significantly improved, the ECB has indicated that the panels will be supported for full operations**
  - **This will include the execution of Panel Projects, holding 3 Panel Meetings per year, active participation in the Ship Production Symposium and in ShipTech**
- **Writeups for Panel Project Proposals must be submitted to ATI by October 30, 2009**
  - **Thus, the Systems Technology Panel will decide on its proposed projects at this meeting**
- **The ECB will review panel project proposals at its winter meeting in December 2009 or January 2010**
- **It is also anticipated that at their October 8, 2009 meeting, the ECB will decide to release a Research Announcement for projects totaling about \$10 million**
- **For 2009, one Systems Technology Project was awarded:**
  - **Interim SCIM and STEP Implementations**

# Systems Technology Panel

## Upcoming Activities

- **Typically hold 3 meetings per year**
  - Try to hold one each on East Coast, Gulf Coast, & West Coast
  - Try to hold jointly with other panels or in conjunction with other events
- **Proposed Upcoming Activities**
  - **December 8-10, 2009**
    - New Orleans, LA
    - Joint Panel Meeting will be held in conjunction with SPPT, BPT, and PDMT Panels
  - **Ship Production Symposium**
    - October 21-23, 2008
    - Providence, RI
    - There will be five papers presented with a Systems Technology orientation
  - **ShipTech 2010**
    - March 9-10, 2010
    - Abstracts for Presentations are due by October 10, 2009

# **Systems Technology Panel Project Selection**

- **Panel Project Proposals**
  - **Maximum funding request allowed for a project is \$100K**
  - **Must be completed within 1 year**
  - **Cost Share is optional**
  - **Panel can approve at most 3 proposals**
- **ECB anticipates awarding at least \$600K total to projects proposed by the ten panels**
  - **Typically over 20 projects are presented from the 10 panels**
  - **Expectations are that about 10 projects will be awarded**

# Rules for Systems Technology

## Panel Voting

- **Any panel member attending the September meeting is eligible to vote**
- **Each voter has 10 votes which can be divided among the projects he/she endorses in any way they choose**
- **Ballots should be signed since ECB wants to know which projects were supported by shipyard participants**
- **After the initial votes, a second round of voting will be held to decide whether the panel wishes to submit one, two, or three projects for ECB consideration**
  - **More than one project from a panel can be awarded, but ECB asks for “weighting factor” to indicate project’s support**
  - **Suggestion: Submit multiple projects if they received comparable levels of support**
  - **Do not submit project with minimal support since ECB will notice and take that into consideration**

# **Interest Areas Identified last year by Navy PEOs and Project Managers**

- **Develop cost-effective alternatives to selected shipbuilding and ship repair specifications that impact the costs of multiple ship classes, in the process coordinating with Navy Technical Authorities and Naval Vessel Rules process to address the larger issue of developing a standing process that can be applied across a wide range of specifications.**
- **Accelerate parts standardization in Naval shipbuilding programs through expanded implementation of NSRP's enterprise-wide shared parts database. Expand its use into the Navy logistics system for leverage in life-cycle cost reduction.**
- **Enable expanded modeling and simulation to reduce costs associated with ship structural testing and analysis by adapting shipbuilder design data to a form usable by analysis programs.**
- **Research and adapt advanced materials and designs to reduce weight, realize greater fuel economy and increase lifespan in future Naval ships.**
- **Research, develop and implement advanced welding technologies that will increase welding speed and quality while reducing distortion and improving the workers' environment.**

# History of Systems Technology

## Panel Project Proposals

- **2002**                      **2 Submitted**                      **1 Awarded**
- **2003**                      **2 Submitted**                      **0 Awarded**
- **2004**                      **3 Submitted**                      **3 Awarded**
- **2005**                      **3 Submitted**                      **1 Awarded**
- **2006**                      **3 Submitted**                      **2 Awarded**
- **2007**                      **3 Submitted**                      **1 Awarded**
- **2008**                      **2 Submitted**                      **1 Awarded**
- **Project Lead on Proposals**
  - **Shipyard**                      **5 Submitted**                      **4 Awarded**
  - **Others**                      **13 Submitted**                      **5 Awarded**
- **Dollar Values of Proposals Submitted**
  - **Awarded**                      **Low = \$40K**    **High = \$100K**    **Average = \$67K**
  - **Rejected**                      **Low = \$30K**    **High = \$100K**    **Average = \$72K**