### Monday 14 April 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400 - 1700</td>
<td>Early Registration at Mississippi Coast Coliseum &amp; Convention Center</td>
</tr>
<tr>
<td>1900 - 2000</td>
<td>Kickoff Reception at Beau Rivage Hotel, sponsored by Converteam Keynote Speaker: Rear Admiral Raymond M. Klein, USN, President of the Board of Inspection and Survey (INSURV) (Invited)</td>
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### Tuesday 15 April 2008

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>0700</td>
<td>Registration</td>
</tr>
<tr>
<td>0700 - 0800</td>
<td>Continental Breakfast in Exhibit Hall, sponsored by DRS Power &amp; Control Technologies, Inc.</td>
</tr>
<tr>
<td>0800 - 0830</td>
<td>Welcome &amp; Opening Remarks</td>
</tr>
<tr>
<td>1000 - 1030</td>
<td>Concurrent Technical Tracks cont. Track 1: Shipbuilding - Transient Thermal Tensioning - The Application of Thermal Patterns to Control Weld Distortion for Ship Structures (T.D. Huang, C. Conrardy, R. Dull, &amp; Y. Yang) - Use of Computer Based Predictive Software to Efficiently Fabricate a Wide Range of Ship Panel Structures (Dr. James C. Kennedy, Jr. &amp; Dr. Frederick “Bud” W. Brust, Jr.)</td>
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<tr>
<td>1445 - 1515</td>
<td>Concurrent Technical Tracks cont.</td>
</tr>
<tr>
<td>1515 - 1630</td>
<td>Concurrent Technical Tracks cont. Track 4: Design Tools</td>
</tr>
<tr>
<td>1800 - 2100</td>
<td>Reception and Dinner at Beau Rivage Hotel, sponsored by Northrop Grumman Keynote Speakers: Mr. Irwin F. Edenzon, Robert Harney, &amp; William Solitario</td>
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### Wednesday 16 April 2008

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<tr>
<td>0700</td>
<td>Registration</td>
</tr>
<tr>
<td>0700 - 0800</td>
<td>Continental Breakfast in Exhibit Hall, sponsored by CDI Marine Company</td>
</tr>
<tr>
<td>0800 - 1000</td>
<td>Concurrent Technical Tracks</td>
</tr>
</tbody>
</table>
Symposium Committee
Max A. Gianelloni, Committee Chair
John Kooienga, Papers Chair
Merrill Markham, Exhibits Co-Chair
Sue McKinney, Section Vice Chairman
Ron Wood, Section Secretary
Jerry Cincotta

Symposium Sponsors

ASNE Central Gulf Coast Section
CDI Marine Company
DRS Power & Control Technologies, Inc.
L-3 Power Paragon
QED Systems, Inc.

Symposium Exhibitors

• Acc World Companies
• Austral USA
• CDI Marine Company
• Computer Sciences Corp
• DRS Power & Control Technologies, Inc.
• Engineering Services and Software, LLC
• Federal Resources
• Icore International, Inc.
• Interstate Connecting Components, Inc.
• Jered LLC
• L-3 Power Paragon
• Marotta Controls
• Naval Surface Warfare Center, Indian Head Division
• Northrop Grumman
• QED Systems, Inc.
• Rolls-Royce Naval Marine, Inc.
• Roxtec, Inc.
• Superbolt, Inc.
• Textron Marine & Land
• The Hiller Company
• Trelliseq, Emerson & Cuming
• Tri-Tec Manufacturing, LLC
• United Titanium, Inc
• W&O Supply, Inc.
• Warren Pumps, Inc.
• York International Corporation

The committee would like to thank to the following volunteers for their help in planning this event:

Captain Beth Dexter, Supervisor of Shipbuilding Gulf Coast
Dave Williams, Section Executive Advisor
Sue McKinney, Section Vice Chairman
Ron Wood, Section Secretary
Will Bramlett, Engineering Technical Advisor
Patti Moore
Jerry Cincotta

Exhibitors Agenda

Thursday 17 April 2008
0700 Registration
0700 - 0800 Continental Breakfast in Exhibit Hall
0800 - 1000 Panel — Navy/USCG Programs: Our Ships, Our Programs, Today and Tomorrow
Panelists: CDR Bill Plott, USN (LHD/LHA Class); CDR Quinton King, USN (LPD Class); CDR Phillip Dawson, USN (DDG 51 Class); Mr. Timothy Hughes (DDG 1000 Class)
1100 - 1400 Northrop Grumman Shipyard Tour — Sign-up at Registration Desk (Limit 24 people)

Agenda

Track 1: Technology
Moderator: Dave Wood
- Offshore Technology to Support Underwater Dual Use Applications (Gary Gladysz)
Track 2: System Integration
- Requirements Creep (Vincent Picicci & Henry B. Cook)
- Overview of CHSR Capabilities and Technology Insertion Activities for GEORGE H. W. BUSH (CVN-77) New Construction (CAPT Stertert, Beretken Tanju, Alan Philpott & Alison Dreiss)
JobshopLean Workshop
Cellular Manufacturing – How to Simplify any Jobshop
Luncheon — Keynote Speaker: Rob Moore, Textron
Topic: HCAC Development
Concurrent Technical Tracks
Track 3: Fleet Support/Logistics
Moderator: Dave Wood
- Heat Exchangers and Joint Force Logistics (Henry Cook)
- Standardization – Integrating Engineering and Logistics (Debbie Martin)
Track 4: Ship Design
Moderator: Chris Bigler
- Slaming Impact Loads on Large High-Speed Naval Crafts (Sangunim Kim, Derek Novak, & Hamm-Ching Chen)
- Topside Design/Integration from the Shipyard Point of View (Perry D. Haymon, Chris Hicks, Jason Weidler, & Dianna Genton)
JobshopLean Workshop
A Pencil-Paper-People-Programs (4P) JobshopLean Simulation Game
1445 - 1515 Coffee Break in Exhibit Hall
1515 - 1630 Concurrent Technical Tracks cont.
Track 3: Fleet Support/Logistics
- Leveraging Standardized Cargo Unit Loads to Improve CVN and CLF Ship Stowage Space Design (Greg Bender)
Track 4: Ship Design
- LCS Trimaran Design (Don Mason & Gene Miller)
- Open Architecture Principles in Ship Design (Peter Harden & Dorothy McDowell)
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Agenda

Track 2: System Integration
Moderator: Chris Bigler
- National Security C4ISR Force Structure Study (Jamie Breakfield)
- Observation Research in Support of Requirements Development (Robert S. Malloch & Henry B. Cook)
JobshopLean Workshop
Instructor: Shahrouz A. Irani
0800 - 0900 JobshopLean - Why the Toyota Production System Is Unsuitable for Jobshops
0900 - 1000 Reduction and Simplification of Material Flows in a Factory – The Essential Foundation of Jobshop Lean
1000 - 1030 Coffee Break in Exhibit Hall
1030 - 1200 Concurrent Technical Tracks cont.
Track 1: Technology
- RFID-Based Wireless Kanban Systems: Integrating with Material Handling Operations To Increase Manufacturing Productivity (Greg Smith)
- Offshore Technology to Support Underwater Dual Use Applications (Gary Gladysz)
Track 2: System Integration
- Requirements Creep (Vincent Picicci & Henry B. Cook)
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Moderator: Dave Wood
- Quantification of Statistical Uncertainty in the Analysis of Nonlinear Ship Motion Simulation Data (Vadim Belenky & Kenneth Weems)
- An Explicit Analysis of a ROPAX Vessel Under Impulsive Loading from a VBIED (Spiro J. Pahos)
- A Hybrid Finite Volume/Element Solver for Two-Immiscible Fluid Flows (Shuangzhang Tu, Shahrouz Aliabadi, & Christopher Bigler)
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