

## Business Technologies and Ship Design & Material Technologies Joint Panel Meeting

Vancouver, BC, Canada

August 20-22, 2024

### Meeting Location:

Seaspan Shipyard-North Vancouver  
2 Pemberton Avenue  
North Vancouver, BC, Canada, V7P 2R2

### Recommended Hotel:

Seaside Hotel  
125 Victory Ship Way #130,  
North Vancouver, BC V7L 0G5, Canada

### Tuesday, August 20, 2024

| Time (PT)          | Presentation                                                                                                                                                      | Speaker                                                        |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>8:00</b>        | <b>Arrive at Pick Up Location for Seaspan Shuttle</b><br>Seaspan Shuttle times: 7:40/ 7:55/ 8:10am (see shuttle schedule)<br>Other travel options: Cab/Uber: ~\$8 | Polygon Gallery<br>101 Carrie Cates Ct,<br>North Vancouver, BC |
| 8:00               | Travel to Seaspan Shipyard (Meeting Location)                                                                                                                     |                                                                |
| <b>8:30</b>        | <b>Breakfast (Provided)</b>                                                                                                                                       |                                                                |
| 8:45               | Welcome/ Introductions                                                                                                                                            | Panel Leadership                                               |
| 9:00               | NSRP Program Update                                                                                                                                               | Steve Gaschler, ATI                                            |
| 9:15               | Panel Chair Updates                                                                                                                                               | Jamie Breakfield, BT Panel<br>Monika Skowronska, SDMT Panel    |
| <b>9:45</b>        | <b>Break</b>                                                                                                                                                      |                                                                |
| 10:00              | Seaspan Shipyard: Innovation Group                                                                                                                                | Jennifer Busler, Seaspan                                       |
| 10:30              | Seaspan Shipyard: Icebreaker                                                                                                                                      | Jessica Fetterman, Seaspan                                     |
| 11:00              | Seaspan Shipyard: LNG Tugs, Refueling, Mooring                                                                                                                    | Marcelo Tamashiro, Seaspan                                     |
| 11:30              | Seaspan Shipyard: Welding Center of Excellence                                                                                                                    | Niyousha Esmaeili, Seaspan                                     |
| <b>12:00- 1:00</b> | <b>Lunch (Provided)</b>                                                                                                                                           |                                                                |
| 1:00               | University of British Columbia: Overview of Naval Architecture Program at UBC                                                                                     | Jon Mikkelsen, UBC                                             |
| 1:15               | University of British Columbia: Machine Learning Applications to Hydrodynamics                                                                                    | Rajeev Jaiman, UBC                                             |
| 1:45               | University of British Columbia: Advanced Techniques for Ship Structural Analysis and Optimization                                                                 | Jasmin Jelovica, UBC                                           |
| 2:15               | University of British Columbia: Alternate Fuels for Marine Applications                                                                                           | Patrick Kirchen, UBC                                           |
| 2:45               | The Industrial Metaverse for Lifecycle Management                                                                                                                 | Corey Kirkhus, Datifex                                         |
| <b>3:15</b>        | <b>Break</b>                                                                                                                                                      |                                                                |
| <b>3:30-5:00</b>   | <b>Tour of Seaspan Shipyard/ Seaspan's 3D Visualization Area</b>                                                                                                  | *steel toe shoes required for yard                             |
| <b>5:00</b>        | <b>Travel Back to Hotel</b>                                                                                                                                       |                                                                |

## Business Technologies and Ship Design & Material Technologies Joint Panel Meeting

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August 20-22, 2024

### Wednesday, August 21, 2024

| Time (PT)          | Presentation                                                                                                                                                      | Speaker                                                                                            |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>8:00</b>        | <b>Arrive at Pick Up Location for Seaspan Shuttle</b><br>Seaspan Shuttle times: 7:40/ 7:55/ 8:10am (see shuttle schedule)<br>Other travel options: Cab/Uber: ~\$8 | Polygon Gallery<br>101 Carrie Cates Ct,<br>North Vancouver, BC                                     |
| 8:00               | Travel to Seaspan Shipyard (Meeting Location)                                                                                                                     |                                                                                                    |
| <b>8:30</b>        | <b>Breakfast (Provided)</b>                                                                                                                                       |                                                                                                    |
| 9:00               | NSRP RA: Lift Ship 3                                                                                                                                              | Darren Guillory, SSI                                                                               |
| 9:30               | NSRP RA: EWI DED Additive Manufacturing Industry Survey                                                                                                           | Dennis Harwig, EWI                                                                                 |
| <b>10:00</b>       | <b>Break</b>                                                                                                                                                      |                                                                                                    |
| 10:15              | Washington State Ferry Electrification Project                                                                                                                    | Chad Rous, Washington State Department of Transportation and Nick Bannon, Elliott Bay Design Group |
| 10:45              | Trust for Governors Island Ferry Project                                                                                                                          | Sam Waterhouse, Elliott Bay Design Group                                                           |
| 11:15              | Genoa Design Industry Perspective                                                                                                                                 | Chris Laughlin, Genoa Design International                                                         |
| 11:45              | Advanced Shipbuilding and Repair for Modern Maritime Projects                                                                                                     | Peter Roney, Gunderson                                                                             |
| <b>12:15- 1:15</b> | <b>Lunch (Provided)</b>                                                                                                                                           |                                                                                                    |
| 1:15               | NSRP RA: Building Failure Data and Predication Models for Ship Construction and Sustainment Support                                                               | Mark Debbink, NNS and Subrat Nanda, ABS                                                            |
| 1:45               | NSRP RA: Development of Fast Analysis Solver for Welding Sequence Optimization of Ship Structures                                                                 | Steve Scholler, Ingalls                                                                            |
| 2:15               | NSRP RA: Automated Detail Planning                                                                                                                                | John Walks, Walks Maritime LLC/ SSI                                                                |
| 2:45               | Digital Shipbuilding/Transformation Vision                                                                                                                        | David Males, Denis Morais, SSI                                                                     |
| <b>3:15-5:00</b>   | <b>Tour of Seaspan Shipyard/ Seaspan's 3D Visualization Area</b>                                                                                                  | *steel toe shoes required for yard                                                                 |
| <b>5:00</b>        | <b>Travel Back to Hotel</b>                                                                                                                                       |                                                                                                    |

## Business Technologies and Ship Design & Material Technologies Joint Panel Meeting

Vancouver, BC, Canada

August 20-22, 2024

**Thursday, August 22, 2024**

| Time (PT)    | Presentation                                                                                                                                                    | Speaker                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>8:00</b>  | <b>Arrive at Pick Up Location for Seaspn Shuttle</b><br>Seaspn Shuttle times: 7:40/ 7:55/ 8:10am (see shuttle schedule)<br>Other travel options: Cab/Uber: ~\$8 | Polygon Gallery<br>101 Carrie Cates Ct,<br>North Vancouver, BC |
| 8:00         | Travel to Seaspn Shipyard (Meeting Location)                                                                                                                    |                                                                |
| <b>8:30</b>  | <b>Breakfast (Provided)</b>                                                                                                                                     |                                                                |
| 9:00         | NSRP Panel Project: 3D Printing of Supply Sensitive Parts                                                                                                       | Megan Green, NASSCO                                            |
| 9:30         | NSRP Panel Project: Delivering Cyber Ready Ships                                                                                                                | Harshal Patil, American Bureau of Shipbuilding (Virtual)       |
| <b>10:00</b> | <b>Break</b>                                                                                                                                                    |                                                                |
| 10:15        | NSRP Panel Project: Navy Standard Bookend Fixtures for Shock                                                                                                    | Mike Poslusny, Gibbs and Cox (Virtual)                         |
| 10:45        | EWI Survey Discussion                                                                                                                                           | Dennis Harwig, EWI                                             |
| 11:15        | Panel Project Solicitation: Idea Presentations                                                                                                                  |                                                                |
| 12:15        | Wrap Up                                                                                                                                                         | Panel Leadership                                               |
| <b>12:30</b> | <b>Adjourn</b>                                                                                                                                                  |                                                                |