

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

Suffolk, VA

April 30 – May 2, 2024

### Meeting Address:

VMASC

1030 University Blvd., Suffolk, VA 23435

### Tours:

May 1st: [OERI – Office of Enterprise, Research and Innovation](#)

May 2nd: General Dynamics NASSCO – Norfolk

### Tuesday, April 30, 2024

| Time  | Presentation   | Speaker   |
|-------|--|---|
| 7:30  | Arrive/coffee  |   |
| 8:00  | Convene Meeting  |   |
| 8:05  | Welcome/ Introductions   |   |
| 8:15  | NSRP Program Update  | Ryan Schneider, ATI   |
| 8:45  | Chair Welcome and Panel Updates  | Jamie Breakfield, BT Panel<br>Vicky Dlugokecki, SDMT Panel            |
| 9:15  | Introduction of Office of Enterprise Research and Innovation (OERI)<br>Introduction to Virginia Digital Maritime Center (VDMC) | Dr. Mike Robinson, OEIR COO<br>RADM Mark Whitney (Ret.), VDMC         |
| 10:00 | Break  |   |
| 10:30 | Assessment Framework for Maritime Autonomy Testing using In-Situ & Simulation Scenarios  | Dr. Yiannis Pangelis, OEIR, Virginia Space Flight and Autonomy (VISA) |
| 11:00 | Panel Project: Optimized Weld Records  | Megan Brinker, TRU  |
| 11:30 | Lunch (Provided)   |   |
| 1:00  | Panel Project Final Presentation: Equipment Validation Through Scanning  | Darren Guillory, SSI USA<br>Brian Ahern, DotProduct                   |
| 1:30  | Breakout: Hands-on Demonstration – Equipment Validation Through Scanning   | Brian Ahern, DotProduct   |
| 3:00  | Adjourn  |   |

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**Wednesday, May 1, 2024**

| Time         | Presentation   | Speaker   |
|--------------|--|---|
| 7:30         | <b>Arrive/coffee</b>   |   |
| 7:55         | <b>Convene Meeting</b>   |   |
| 8:00         | RA Project: Digital Twin Verification & Validation   | Mark Debbink, Newport News Shipbuilding<br>Eric VanDerhorn, ABS |
| 8:30         | Model-Based Standards (Assemblies for Shipbuilding)  | Mark Debbink, Newport News Shipbuilding                         |
| 9:00         | Panel Project: LiftShip3   | Lee Nicholas, SSI USA<br>Ray Deldin, Altair                     |
| 9:30         | FEA to CAD connection  | Ray Deldin, Altair  |
| <b>10:00</b> | <b>Break</b>   |   |
| 10:15        | Panel Project: 3D Printing of Supply Sensitive Parts   | Megan Green, NASSCO   |
| 10:45        | Panel Project: Navy Standard Fixtures for Shock Testing  | Mike Parnin, Gibbs & Cox<br>Mike Poslusny, Gibbs & Cox          |
| 11:15        | How to Build an Industrial Metaverse for Build and Sustainment Transformation                          | Corey Kirkhus, Datifex  |
| 11:45        | RA Project: Development of a Fast Analysis Solver for Welding Sequence Optimization of Ship Structures | Steve Scholler, Ingalls Shipbuilding                            |
| <b>12:15</b> | <b>Lunch (Provided)</b>  |   |
| <b>1:15</b>  | <b>Tour of OERI</b>  |   |
| <b>3:15</b>  | <b>Adjourn</b>   |   |

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

Suffolk, VA

April 30 – May 2, 2024

**Thursday, May 2, 2024**

| Time         | Presentation  | Speaker   |
|--------------|---|---|
| <b>7:30</b>  | <b>Arrive/coffee</b>  |   |
| <b>7:55</b>  | <b>Convene Meeting</b>  |   |
| 8:00         | RA Project: Automated Detail Planning and Production Control<br>Panel Project: Automated Detail Planning and Instant Earned Value Control | Darren Guillory, SSI USA<br>Jon Torfi Hauksson, Floororganise |
| 8:30         | Digital Twin Simulation using FlexSim for Project Insights  | Chad Goff, Goff Consulting                                    |
| 9:00         | Canvas Envision Model-Based Work Instructions   | Ellie Linehan, Canvas GFX                                     |
| 9:30         | Panel Project: Development of an AM Capability for CuNi   | Nelson Zambrana, Austal Advanced Technologies                 |
| <b>10:00</b> | <b>Break</b>  |   |
| 10:15        | RA and Panel Project Solicitations – Updates  | Panel Leadership  |
| 10:30        | Panel Project Idea Discussion/NSRP Idea Submission Form – Open Forum  |   |
| <b>12:00</b> | <b>Lunch (Provided)</b>   |   |
| <b>1:15</b>  | <b>Shipyard tour - NASSCO</b>   |   |
| <b>3:30</b>  | <b>Adjourn</b>  |   |