NSRP | National Shipbuilding Research Program

Business Technologies / Digital Shipbuilding Committee Virtual Panel Meeting

July 30, 2020

Meeting Focus: Panel Project Idea Presentation

Objectives:
- Allow opportunity for panel members (and others) to present ideas for panel projects prior to panel project voting

Session Agenda

July 30th, 2020, 10:00 AM – 12:30 PM Central

Time	Presentation	Speaker
10:00	**Convene Meeting**	
10:00	Introductions and Panel Business	Virgel Smith, Ingalls Shipbuilding Patrick Roberts, SSI USA Jamie Breakfield, Ingalls Shipbuilding
10:10	NSRP Brief & Update	Nick Laney, ATI
10:20	Digital Twin Maturity Model	Mark Debbink, Newport News Shipbuilding
10:25	Model Based Requirements Management	Mark Debbink, Newport News Shipbuilding
10:30	Implementing SMART Technology for Digital Twin Development in New Construction Programs	David Walker, ABS
10:35	Utilizing Ship Product Model Information for Corrosion Control and Coatings	Josh Reeder, Ingalls Shipbuilding
10:40	State of Digital Drawing Delivery	Pat David, SSI USA
10:45	Design - Build for Test	Pat David, SSI USA
10:50	Delivering CyberReady Ships in Alignment with Navy RMF Requirements	David Walker, ABS
10:55	Platform Cybersecurity Suitability	Doug Foster, Ingalls Shipbuilding

Business Technologies / Digital Shipbuilding Committee Virtual Panel Meeting
July 30, 2020

Time	Presentation	Speaker
11:00	Modern Shipbuilding Design Course 3	Pat David, SSI USA
11:05	Automated Detail Planning and Instant Earned Value Control	Pat David, SSI USA
11:10	Digital Scan Management	Pat David, SSI USA
11:15	Automated Label Plate Generation	Pat David, SSI USA
11:20	Optimized Weld Records	Megan Brinker, TruQC
11:25	Artificially Developed (AI) CAD Models	Mark Debbink, Newport News Shipbuilding
11:30	Using AI to Simplify Provisioning of Navy Standard Rqmts	Victoria Dlugokecki
11:35	Knowledge Provisioning to Simplify Preliminary Design	Victoria Dlugokecki
11:40	Equipment Validation Through Scanning	Pat David, SSI USA
11:45	Data Fusion for Performance Prediction of AM Parts	Elliot Haag, ATA Engineering
11:50	Digital Tracking and Analysis of Human Shipbuilding Activities	Christopher Hsu, ESAB
11:55	Additional Idea Discussion	
12:30	Adjourn	