



AGENDA

Carderock Academic Outreach Day

8 June 2016

Maritime Technology Information Center, Bldg 40, NSWC Carderock, West Bethesda

Time	Topic				Presenter	Room
0800	Poster Session/Networking session/registration					<i>MTIC Foyer, Columbia Rm A</i>
0850	Administrative remarks				Dr. John Barkyoumb, Carderock Director of Strategic Relations	<i>Melville-Taylor Auditorium</i>
0900	Welcoming Remarks				CAPT Blank, Commanding Officer NSWC Carderock	<i>Melville-Taylor Auditorium</i>
0910	Goals for this workshop				Dr. Arcano, Technical Director, NSWC Carderock	<i>Melville-Taylor Auditorium</i>
0920	Carderock Division Overview <i>and</i> Science, Technology & Innovation Overview				Mr. Jack Templeton, Chief Technology Officer, NSWC Carderock	<i>Melville-Taylor Auditorium</i>
0945	Keynote Speech: Office of Naval Research Overview				Dr. Walter Jones, Technical Director, Office of Naval Research	<i>Melville-Taylor Auditorium</i>
1015	<i>Break</i>					
1030	<i>Parallel Technical Sessions</i>					
	Ship Survivability M&S <i>Columbia B</i>	Ship Design Science <i>Auditorium</i>	Materials Research <i>San Francisco</i>	Tech Futures <i>Leviathan</i>		<i>Breakout rooms</i>
1130	<i>Lunch - Posters, Networking Session</i>					<i>Foyer, Columbia A</i>
1230	<i>Facility Tours - Additive Manufacturing and Taylor Model Basin</i>					
1330					Dr. Larry Schuette Director of Research Office of Naval Research	<i>Melville-Taylor Auditorium</i>
1340	Doing Business with Carderock				<i>Tech Transfer</i> - Dr. Joe Teter <i>Contracts</i> – Ms. Kathy Bonturi <i>Faculty Research/ Post-docs</i> – Dr. Jack Price	<i>Melville-Taylor Auditorium</i>
1415	<i>Introduction to Models for Carderock/Academic Partnership</i>				Dr. Barkyoumb	<i>Melville-Taylor Auditorium</i>

AGENDA

Carderock Academic Outreach Day

8 June 2016

Maritime Technology Information Center, Bldg 40, NSWC Carderock, West Bethesda

<i>Breakout Sessions- Models for Carderock/Academic Partnership</i>						
1430	Breakout Session #1 <i>Columbia B</i>	Breakout Session #2 <i>Auditorium</i>	Breakout Session #3 <i>San Francisco</i>	Breakout Session #4 <i>Leviathan</i>		<i>Breakout rooms</i>
1530	Discussion and summary of Breakout sessions					<i>Melville-Taylor Auditorium</i>
1600	Wrap-up, Actions - Conclusion					<i>Melville-Taylor Auditorium</i>
1630	Adjourn					

Morning Technical sessions 1030-1130

Columbia room B (room 109)

Ship Survivability Modelling & Simulation - Dr. Tom Moyer, Senior Technologist, Ship Survivability M&S

Navy enhanced Sierra Mechanics (30 min brief with 5 min Q&A).

Short Briefs (10 minutes each)

Explosive Resistant Coatings

Assessment of CSS H.L. Hunley Sinking

Peridynamic Formulations for Shell Structural Dynamics

UNDEX in Close Vicinity to Naval Structures- Dr. Christine Ikeda, University of New Orleans

Auditorium

Ship Design Science & Process Technologies

– Mr. Jeff Hough, Distinguished Engineer for Ship Design

Ship design process & the different phases of ship design - *Short Briefs (10 minutes each)*

Use of set based design for ships & other maritime vehicles

Decision making & presentation of technical data to non-technical decision makers

Ship cost estimating

Application of model based systems engineering to ship & maritime vehicle design



AGENDA

Carderock Academic Outreach Day

8 June 2016

Maritime Technology Information Center, Bldg 40, NSWC Carderock, West Bethesda

Morning Technical sessions 1030-1130

San Francisco (rm 111)

Materials Research Breakout Session

Overview of the Materials Division at Carderock (15 min brief with 5 min Q&A).

Short Briefs (5 minutes each)

Magnetostrictive Transductive Materials – Dr. Nick Jones

Integrated Computational Materials Engineering – Mr. Charles Fisher

Aluminium research for the ONR Future Naval Capabilities program – Dr. Bill Golumbfskie

Properties and structure of covetics: metals containing carbon nanostructures–Dr. Lourdes Salamanca-Riba, Materials Science, University of Maryland

Leviathan room (rm 210, upstairs)

Technology Futures - - Ms. Danielle Paynter, Mr. Harry Whittaker

Disruptive Technology Laboratory (DTL) - Introduction + Process; Mr. Harry Whittaker (15 min)

DTL + Additive Manufacturing Print-a-thon Project – Mr. Harry Whittaker (15 min)

Acoustic Metamaterials Research - Mr. Sailou Telly (10 min)

Carderock S&T Strategic Roadmap Process Brief -Ms. Danielle Paynter (10 min)



AGENDA

Carderock Academic Outreach Day

8 June 2016

Maritime Technology Information Center, Bldg 40, NSWC Carderock, West Bethesda

Afternoon Breakout sessions 1430-1530

Breakout Session # 1 - Columbia room B (room 109)

Current Collaboration Models – potential for process and value improvement
- Mr. Garth Jensen, Facilitator

Breakout Session # 2 - Auditorium

Explore ways to bring academic & government communities together and Harness the strength of Navy Labs
- Dr. Judy Conley, Facilitator

Breakout Session # 3 - San Francisco room (rm 111)

Explore ways to bring Navy Scientists and Engineers to collaborate directly on academic campus
- Mr. Nathan Hagan, Facilitator

Breakout Session # 4 - Leviathan room (rm 210)

Identify academic research areas that can be leveraged for Navy applications
How could collaboration be integral to accelerating the research process?
- Mr. Harry Whittaker, Facilitator