

## 2023 MR Spring In Progress Review

May 16, 2023 - May 19, 2023

Noblis L'Enfant Plaza Office

500 L'Enfant Plaza SW, Suite 900, Washington DC, 20024. Flex Conference Room (908)

Zoom for Gov Meeting Link: [https://www.zoomgov.com/j/1610087564?](https://www.zoomgov.com/j/1610087564?pwd=T0twaW5WVHlKUGUrYINoN3NPVUMydz09)

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Meeting ID: 161 008 7564 Passcode: 988017 Call in Number (if not using computer audio): 646-828-7666 or 669-254-5252

### Point of Contact

Sarah Barlow • [sarah.barlow@noblis.org](mailto:sarah.barlow@noblis.org) and [serdp-estcp.meetings@noblis.org](mailto:serdp-estcp.meetings@noblis.org)

### Tuesday, May 16, 2023

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0900	<b>Convene/Opening Remarks</b>	Dave Bradley, MR Program Manager
0905	<b>MR-201714:</b> Demonstration of AUV-Based Structural Acoustic Look-Down and Side-Look Sonars for Underwater Buried UXO Detection and Classification	Zachary Waters Naval Research Laboratory
0950	<b>MR21-1081:</b> Model roundup and extension for the current- and wave-induced burial, re-exposure, mobilisation and migration of UXO and DMM (Virtual Presentation)	Peter Menzel Corvus Works UG
1035	<b>Break</b>	
1050	<b>MR21-1291:</b> Experimental and Numerical Investigation of Grain Shape Effects on Munition Mobility	Sylvia Rodriguez-Abudo University of Puerto Rico - Mayaguez
1135	<b>MR21-5207:</b> Munitions Response Library for Site Management	Allison Penko U.S. Naval Research Laboratory
1220	<b>Working Lunch</b>	
1320	<b>MR18-1406:</b> Demonstration of physics-based inversions of multibeam echosounder for sediment properties.	Brian Hefner Applied Physics Laboratory, University of Washington
1405	<b>MR22-3303:</b> Unmanned Surface Vessel Based Munition Detection, Mobility and Burial Monitoring, and Environmental Mapping in Surf Zone Environments and Demonstration of Deterministic Modeling Capabilities	Peter Traykovski Woods Hole Oceanographic Institution
1450	<b>Break</b>	
1505	<b>MR21-3543:</b> Advanced Sonar-Based Deep Learning for Underwater UXO Remediation (Virtual Presentation)	David Williams The Applied Research Laboratory at The Pennsylvania State University
1550	<b>Technical Committee Discussion (Closed Door Session)</b>	
1700	<b>Adjourn</b>	

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### Wednesday, May 17, 2023

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0900	<b>Convene/Opening Remarks</b>	Dave Bradley, MR Program Manager
0905	<b>MR19-5073:</b> UltraTEM Marine towed system for detection and characterization of buried ordnance Outbrief (Virtual Presentation)	Stephen Billings Black Tusk Geophysics Inc
0950	<b>MR19-1277:</b> Robust Prediction of Ordnance Depth of Burial in Soils Using Field Calibrated Phenomenological Model & Probabilistic Simulations	Stephan Bless New York University
1035	<b>Break</b>	
1050	<b>MR21-1279:</b> Enhanced Sensing for Detailed Surveys in Very Shallow Water	Daniel Brown Applied Research Laboratory at the Pennsylvania State University
1135	<b>MR19-1234:</b> Bistatic Acoustic Scattering from Munitions: Interactions with Nearby Clutter and the Water-Sediment Interface Outbrief	Steven Kargl Applied Physics Laboratory, University of Washington
1220	<b>Working Lunch</b>	
1320	<b>MR21-1275:</b> Applications of the Coupled-Finite/Boundary Element (CFEBE) Technique to Support the Support UXO Remediation Systems	Ahmad Abawi HLS Research
1405	<b>MR19-1317:</b> Towards Developing Demonstrations for Munitions Mobility and Burial in the Underwater Environment	Joe Calantoni U.S. Naval Research Laboratory
1450	<b>Break</b>	
1505	<b>MR-2733:</b> Probabilistic Environmental Modeling System for Munitions Mobility Outbrief (Virtual Presentation)	Margaret Palmsten USGS
1550	<b>Technical Committee Discussion (Closed Door Session)</b>	
1700	<b>Adjourn</b>	

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Thursday, May 18, 2023		
0900	<b>Convene/Opening Remarks</b>	Dave Bradley, MR Program Manager
0905	<b>MR21-5243:</b> CMRE UXO test site implementation, demonstration and maintenance (Virtual Presentation)	Stefano Biagini CMRE
0950	<b>MR19-5212:</b> Demonstration of UAV Magnetometer System for Wide Area UXO Site Assessment	Gregory Schultz White River Technologies
1035	<b>Break</b>	
1050	<b>MR22-7454:</b> Demonstration of Highly Integrated Autonomous ROV-based 3DEM for Underwater Advanced Geophysical Classification	Gregory Schultz White River Technologies
1135	<b>MR19-5079:</b> Demonstrating calibrated phase-measuring sidescan sonar for rapid wide-area and detailed mapping of UXO shallower than 5 m	Kenneth Foote Woods Hole Oceanographic Institution
1220	<b>Working Lunch</b>	
1320	<b>MR21-5066:</b> Classification of Underwater UXO from Dynamic EMI Survey Data	Keith Whitener U.S. Naval Research Laboratory
1405	<b>MR22-3257:</b> Quantitative Assessment of LiDAR Technology for Detecting, Localizing, and Characterizing Underwater Munitions in Shallow Waters (Virtual Presentation)	Jeffrey Thayer University of Colorado
1450	<b>Break</b>	
1505	<b>MR21-7564:</b> Sequim Bay Underwater UXO Test Bed Support for Phase III (Virtual Presentation)	Dana Woodruff PNNL
1550	<b>Technical Committee Discussion (Closed Door Session)</b>	
1700	<b>Adjourn</b>	



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Friday, May 19, 2023		
0900	Convene/Opening Remarks	
0905	ESTCP Downselect/Technical Committee Discussion (Closed Door Session)	
1105	Break	
1120	ESTCP Downselect/Technical Committee Discussion (Closed Door Session)	
1230	Adjourn	

*Last Updated: 4/14/2023 1:03:43 PM*