

Naval Web-Based Collaboration and Model Exchanges using X3D

Date and Location:

Monday, 30 January 2017
Maritime Plaza II
1201 M Street SE, Suite G30
Washington, DC 20003

Theme:

Multiple opportunities for cooperative Navy and Marine Corps innovation using 3D models are emerging. Shared 3D visualization over the Web can help naval personnel worldwide, enabling better insight, increased velocity of learning, and knowledge sharing through real-time group collaboration.

The objective of this information meeting is to raise awareness, and share recent examples showcasing innovation using 3D graphics, and explore shared strategies that can serve as key innovation enablers in the areas of collaboration, model exchanges and additive manufacturing.

Multiple speakers will provide fast-paced briefings that together show a "bigger space" emerging. These practical capabilities can have positive effects on weapon system design goals, contracting requirements, logistics, maintenance and operations. Data standards provide archival stability for long-term re-use even as software capabilities continue to advance rapidly. Participants can discuss their reactions "around the table" together to share ideas of opportunities, and potential synergies that can further the art of the possible in bringing innovation to Department of the Navy.

Please join us to share ideas and consider new innovation possibilities for 2017 and beyond.

Invited Organizations:

- ❖ OPNAV N415, Navy Logistics and Business Operations
- ❖ OPNAV N46, Shore Readiness
- ❖ OPNAV N45, Energy and Environmental Readiness
- ❖ OPNAV N2/N6, Information Warfare
- ❖ DASN RDT&E Strategy & Innovation
- ❖ Naval Postgraduate School (NPS) Modeling, Virtual Environments and Simulation (MOVES) Institute
- ❖ Naval Facilities Engineering Command (NAVFAC) HQ
- ❖ NAVFAC Engineering and Expeditionary Warfare Center (EXWC)
- ❖ USMC HQ Installations and Logistics (I&L)
- ❖ Commander Navy Installations Command (CNIC)
- ❖ Naval Air Systems Command (NAVAIR)
- ❖ Naval Sea Systems Command (NAVSEA)
- ❖ Space and Naval Warfare Systems Command (SPAWAR)
- ❖ Naval Historical and Heritage Command (NHHC)
- ❖ National Institutes of Health (NIH)
- ❖ Web3D Consortium

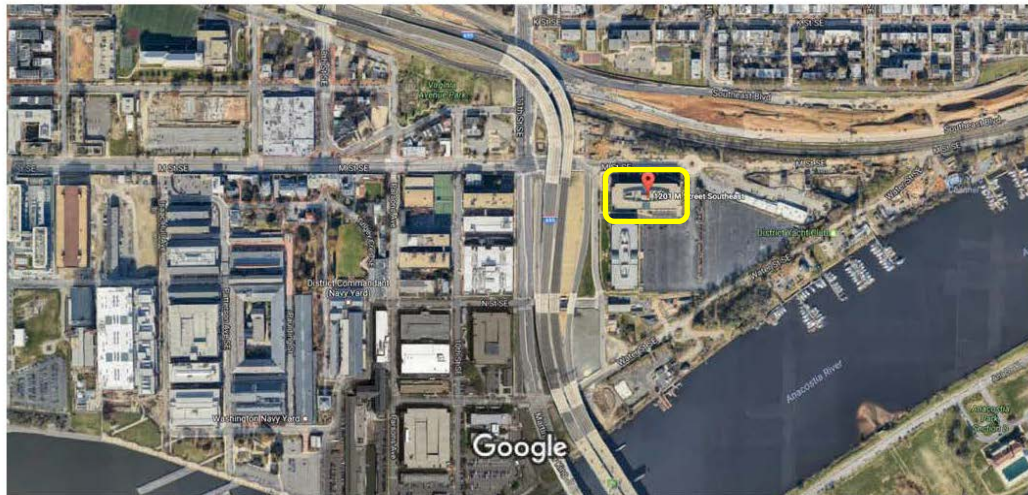
Please RSVP by 25 January to Alex Viana (alex.viana@navy.mil)

Web3D Information Meeting Agenda

Maritime Plaza II Building Suite G30, 1201 M Street, SE, Washington, DC		
Defense Collaboration Services (DCS) link: https://conference.apps.mil/webconf/Web3DInformationMeeting		
Dial: 1-646-749-3122, Access Code: 955-731-709		
Time	Topic	Topic Lead
0900-0910	Welcome and Introductions	Dr. Don Brutzman (NPS) Mike Russalesi (Synergy Software Design)
0910-0925	Overview: Emerging Navy Capabilities with Web Standards Exploring the art of the possible	Dr. Don Brutzman (NPS MOVES Institute)
0925-0940	SPIDERS 3D Virtual Naval Installation Environment Web-based collaboration environment to contextualize 3D models of weapon platforms and associated shore infrastructure and facilities	Alex Viana (NAVFAC HQ Asset Management) Mike Russalesi (SSD)
0940-1000	National Institutes of Health 3D Print Exchange Overview of model repository in formats readily compatible with 3D printers	Dr. Meghan Coakley (NIH) Dr. Darrell Hurt (NIH)
1000-1015	Navy X3D Model Exchange Naval Research Program investigation to enable open standards model repositories	Dr. Don Brutzman (NPS MOVES Institute)
1015-1035	NPS Student Studies and AM/VR Research Highlight of recent projects by Navy and Marine Corps Officers	Dr. Amela Sadagic (NPS MOVES Institute)
1035-1045	Break	
1045-1100	NAVAIR PLM Contract Data Deliverables Overview of Data Item Description & Technical Data Package Considerations	Apryl Gilbert (NAVAIR 6.8 Deputy of Innovation)
1100-1120	NAVFAC EXWC Expeditionary Engineering AM Initiatives and 3D Model Translation Investigations Exploring innovation pathways to support Navy and Marine Corps expeditionary forces	Cody Reese (EXWC Expeditionary Engineering Director)
1120-1140	Web3D Consortium Strategies and Opportunities Overview of technical focus areas and recent activities	Dr. Nicholas Polys (VA Tech/Web3D President) Anita Havele (Web3D Executive Director)
1140-1200	Navy 30-Year RDT&E Strategic Plan Initiatives Overview of future technology and innovation focus areas	Dr. Dale Moore (DASN RDT&E, Strategy & Innovation)
1200-1300	Lunch	
1300-1400	OPNAV Perspectives Around-the-Room Group Discussion	CAPT Jason Bridges (N415) Dr. Don Brutzman (NPS MOVES Institute)
1400	Adjourn Meeting	

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Conference Room Location:

Entrance to the Maritime Plaza II building is from the parking lot side of the building. The conference room is on the first floor in Suite G30 in the Maritime Plaza II building in the COPT Property Manager's office. Upon entering the building, go straight past the elevators and turn right. Suite G30 is directly ahead at the end of the hallway. If the door is locked, you can press the buzzer to be let in.

Metro Information:

If you are coming in by Metro, the nearest station is the Navy Yard metro station. Maritime Plaza is a straight walk up M Street heading east away from the Washington Nationals Stadium. When you pass the Navy Yard on your right and cross over 11th Street SE, Maritime Plaza is on the right. The main entrance is located on the south side of the building where the parking lot is located. Walking time from Washington Navy Yard station is approximately 15 minutes.

Maritime Plaza parking Lot Information:

The cost to park at the Maritime Plaza parking lot is \$9 cash which will be collected by the parking attendant on your way into the lot.

Thanks to Synergy Software Design (SSD), (<http://www.ssdllc.biz>) for hosting this event.



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