

**JOINT DINNER MEETING  
SNAME SD-5 PANEL AND  
INTERNATIONAL HYDROFOIL SOCIETY**

**Thursday, 5 February 2015  
Army Navy Country Club, Arlington, VA**

**5:30 to 6:30 Cash Bar - 6:30 to 7:30 Dinner - 7:30 to 8:30 Program**

**Romaine salad  
Grilled marinated chicken paillard with saffron cous cous and broccolini  
Chocolate mousse, Coffee & tea**

**Price: \$35.00**

To pay online, by 30 January, go to <http://foils.org/meetings.htm>

Make reservations by noon Friday, 30 January  
with Allen Ford at [allenford@verizon.net](mailto:allenford@verizon.net)

**Please honor reservations. No-shows may be requested to cover costs incurred.**

**Unmanned Applications of  
Advanced Marine Vehicles in the U.S. Navy**

**Michael Bosworth  
PEO LCS Science and Technology Director**

Advanced Marine Vehicles have found a number of applications in naval service, notably SWATHs for high seakeeping, hydrofoils and trimarans for small combatants, and hovercraft for amphibious lighterage. A newly emerging area of development is unmanned maritime systems (surface or underwater). USVs and UUVs are less developed and less transitioned as a class than Unmanned Air Vehicles (UAV), with energy and autonomy/communications issues to overcome, respectively. But unmanned maritime systems represent a grand opportunity for AMV concepts, if they can translate from manned concepts to often smaller unmanned concepts. Mr. Bosworth will discuss some emerging UMS missions and needs and opportunities, then lead a short discussion session about the melding of AMVs and UMS's as a developmental tool.

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Mike Bosworth graduated from the US Naval Academy in 1976 and spent 20 years in uniform in a wide variety of positions, first as a Surface Warfare Officer and then an Engineering Duty Officer. Midway through he attended MIT for a master's in Naval Architecture and Marine Engineering and the degree of Ocean Engineer. After retiring in 1996 he worked at Syntek Technologies for 6 years before returning to NAVSEA, where he has spent the past 13 years building surface ship and craft concept design, and R&D management and transition capabilities, in NAVSEA 05D and 05T. He recently left as deputy of 05T (the NAVSEA corporate CTO group) to take the position of Science and Technology Director for PEO LCS (which includes LCS, the new frigate derivative, mine warfare, and unmanned maritime systems).