

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

**Thursday, 13 October 2016  
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**

**Salad, Marinated chicken paillard with saffron cous cous and broccolini  
Deep dish apple pie, Coffee & tea**

**Price: \$40 by 4 p.m. Friday 7 Oct.  
\$45 after that, incl. walk-ins**

**Make reservations with**

**Joel Billingsley [joelbillingsley@earthlink.net](mailto:joelbillingsley@earthlink.net) or Allen Ford [allenford@verizon.net](mailto:allenford@verizon.net)**

**or, Reserve & pay online at <http://foils.org/meetings.htm>**

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

## **WaveCraft SES Development and Operational Experience**

**J. William McFann**

**President, Island Engineering, Inc.**



The offshore wind power industry is extensive and growing rapidly off the coastlines of western Europe, the UK and Scandinavia. As wind farm size and distance offshore have increased, demand has also grown for crew transfer vessels (CTVs) that are both faster and able to operate in wave heights exceeding the general operational transfer limits of about 1.5m (Hs).

In response, Umoe Mandal, of Norway, leveraged their extensive expertise in the design and construction of naval SES together with some novel low-speed dynamic heave control technology investigated for the USN (ONR) T-Craft program in which they had participated. The result is the Umoe WaveCraft, a 26m, 40+ knot wind farm CTV with better than 2m (Hs) capability. The first entered service in 2015, the third will be delivered later this year.

Bill McFann established Island Engineering in 1999 for the development and testing of advanced marine vehicle designs and dynamic motion and flight control systems. He previously held positions as Design Engineer, Engineering Manager, and Director of Special Projects at Maritime Dynamics, Inc. (MDI). Over the years he has also managed key elements of the design, development and testing of numerous monohull, catamaran, SWATH and SES craft, including the USN SES-200, FRG SES-700, Cirr120P, Cirr200, Ulstein UT-904, Oceanfast UT-928, SEMO PMS-02, Royal Schelde RS-23, Royal Swedish Navy *Smyge*, Royal Norwegian Navy MCMV and MTB SES, the ONR FSF-1 *Sea Fighter*, Egyptian Navy 63m 40-knot Fast Missile Craft, and the 26m *Typhoon* class SWATH crew vessel.

Bill received a BSME from Purdue University in 1985 and is a member of the American Society of Naval Engineers, SNAME (and Panel SD-5), and the International Hydrofoil Society.