

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

Tuesday, 12 June 2012
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

**Deli Buffet: Hot Soup; Mix of Breads & Rolls; Sliced Beef, Ham & Turkey;
Cheeses; Pasta, Potato & Green Salads; Brownies & Cookies; Coffee & Tea**

Price: \$25.00

To pay by credit card, by 8 June, go to www.foils.org/meeting.htm

Make reservations by noon **Friday, 8 June 2012**
with Allen Ford at allenford@verizon.net or Mark Bebar at mbebar@csc.com

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

***Note: Ongoing construction is complicating the parking at ANCC,
so come on time or a bit early to avoid inconvenience.***

T-Craft — What, Why & How?

Robert Wilson and Dr. Alfred Skolnick

The T-Craft is an amphibious concept combining the best capabilities of the catamaran, surface effect ship and air cushion vehicle. It answers ONR's requirements for a seabase-to-shore "connector" capable of self-deployment across open ocean, high speed while fully-loaded, operation in relatively shallow water, good seakeeping for at-sea cargo transfer, and fully amphibious delivery "feet dry" on the beach. Results show sufficient technological maturity to permit a full-scale T-Craft demonstrator to be designed and built today. The presentation will cover the importance of the T-Craft concept, its key technologies, development of its configuration by three design agents, and technologies warranting further attention in the near term.

Robert A. Wilson is an Independent Consultant for development of advanced marine vehicles and systems, a pursuit he has been engaged in since 1964. Until 1996 he worked at the Carderock Division of the Naval Surface Warfare Center, successively heading the New Vehicle Office, Systems Engineering Division, Programs Department, and, for his last seven years there, the Innovation Center. Since retiring from NSWC he has served on various Navy study groups and has played a major mentoring role for high school STEM students. Mr. Wilson holds a BS in Aeronautical Engineering and MS in Mechanical Engineering.

Dr. Alfred Skolnick founded System Science Consultants in 1991 to perform Navy strategic planning, technology assessment and engineering analyses. Previously as a US Navy officer he served in various weapon and combat system development projects, and subsequently was vice president of two leading Navy support companies. He has published many papers, taught university courses, served on select advisory groups, served two terms as ASNE President, and received many awards. Dr. Skolnick holds a BS in mathematics and economics, MA in mathematics and philosophy, MS in electrical/aeronautical engineering, and PhD in electrical engineering and applied mathematics.