



STUDENT SECTION
at
Stevens Institute Of Technology
Davidson Laboratory



Date: 10/11/05

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SNAME STUDENT SECTION REPORT

Dr. Daniel Savitsky, Consultant / Professor Emeritus at Stevens, gave a presentation on “Viability of High Speed Displacement Type Hull for High Speed Trans-Ocean Sea Lift Operation”. The discussion covered the strategic interests concerning these types of hulls; particularly transport factor, lift drag ratio, hydrodynamic efficiency and their design and operational requirements. A second presentation delivered by Mr. Basil Papadoulous, the Principal at the Moire Inc., covered “Hydrodynamics for 21st century Seaplanes”. The discussion underlined the importance of understanding the hydrodynamics of seaplanes. The presentation covered design tools, inverse hull design, spray characterization, fore body wake and after body dynamics and the hull wave interaction.

Stevens Institute was also the host to the NY Metro SNAME/ASNE student paper night in June. Students from Stevens Institute, Webb Institute and United States Merchant Marine Academy presented their papers.

Our near term plans are to conduct a meeting to select the chair and co-chair and to encourage the undergraduates, from the new Naval Engineering undergraduate program at Stevens, to join the SNAME student section. Stevens continues to extend a warm invitation to the scientists / industry representatives to visit Stevens and deliver talks in their area of expertise to our student section. (E-mail: <mailto:anair1@stevens.edu>)