

# Center for Advanced Studies Lunchtime Scholarship Seminar Series

You are cordially invited to the next Center for Advanced Studies (CAS) Lunchtime Scholarship Seminar on **Tuesday, March 29th** at the O'Club. Come hear about the research and scholarship being done by your fellow faculty!

**CAPT Rich Sanders, from the Science Department, will present: "Wrecking the Wrecks: Nondestructive Methods for Determining Rates of General Corrosion on Wrecks and Legacy Vessels."** This presentation examines the work CAPT Sanders, colleagues, and cadets are doing as part of the Coast Guard Academy's Corrosion Research Laboratory. This work supports Coast Guard prevention and response missions with additional focus upon service life extension of the U.S. Coast Guard Cutter Eagle. Of interest are refinement of nondestructive methods to determine rates of general corrosion for submerged vessels of riveted hull construction, and examination of other factors which may accelerate structural degradation, such as galvanic or crevice corrosion resulting from hull-rivet interactions. This project strongly supports cadet research, affording students an opportunity to use corrosion science and electrochemical methods of analysis to benefit the Coast Guard as they engage in significant field work and multidisciplinary inquiry; it also improves their skills in scholarly communication, with innovative uses of popular and social media to showcase cadet research.

A social time will begin at 1145, and the presentation will commence around 1210 and will conclude in time for everyone to make their afternoon classes.

Lunch costs \$8 and can be paid at the door. **Please RSVP by COB on Thursday, March 24, 2016 to Dr. Evan Haglund ([Evan.T.Haglund@uscga.edu](mailto:Evan.T.Haglund@uscga.edu)).**

