

# Center for Advanced Studies Lunchtime Scholarship Seminar Series

You are cordially invited to the Center for Advanced Studies (CAS) Lunchtime Scholarship Seminar on

Friday, **February 19, 2016 at the Officers' Club**. Come hear about the research and scholarship being done by your fellow faculty!

**LCDR Royce James, recipient of the CAS summer fellowship in 2015, will be presenting "The Helicon Plasma Experiment as a Test-Bed for Fusion Energy Solutions."** This research, funded by the High Energy Laser Joint Technology Office, Directed Energy Professional Society, and CGA Alumni Association, done in collaboration with Princeton Plasma Physics Laboratory and Columbia University Plasma Physics Laboratory, focuses on Fusion Grade Plasma research. Fusion power is one of the few future green technologies that can offer sustainable full-time energy production. ITER will be an international burning fusion experiment that will advance fusion energy research to one step from an actual power plant. LCDR James will report the Coast Guard Academy Plasma Lab's contributions to ITER utilizing undergraduate researchers to construct a Thomson Scattering diagnostic. This seminar will be presented at a level where all faculty and staff will be able to understand. Also find out about other upcoming CAS Lunchtime Scholarship Seminars.

A social time will begin at 1145; you can use this time to catch up with fellow faculty from across the campus. The presentation will commence around 1200 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 Friday , February 12, 2016 to Dr. Karina Mrakovcich ([karina.l.mrakovcich@uscga.edu](mailto:karina.l.mrakovcich@uscga.edu)).**

