

Center for Advanced Studies

Lunchtime Scholarship Seminar Series

You are cordially invited to the Center for Advanced Studies (CAS) Lunchtime Scholarship Seminar on Friday, November 21st at the Officers' Club. Come hear about the research and scholarship being done by your fellow faculty!

Dr. Ian Frommer from the Department of Mathematics will be presenting *On Decision Making in a Carbon Emissions Game*. This seminar will be presented at a level where all faculty and staff will be able to enjoy and participate. 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 1210 and will conclude in time for everyone to make their afternoon classes.

Lunch costs \$7 and can be paid at the door. Please RSVP by COB on Friday, November 14th to Dr. Elizabeth Rivero (Elizabeth.G.Rivero@uscga.edu).

This talk describes a carbon emissions game we developed as an educational tool to be played in a classroom setting. The game is modeled on real-world electric power markets with a CO₂ emissions cap, often referred to as a “cap-and-trade” system. The goals of the game are: for students to become acquainted with cap-and-trade markets; to understand how regulatory policy applied to a market can induce environmental benefits; to discover how to derive strategies mathematically; to get a taste of basic game theory, auctions, and the newsvendor problem as they apply to the game; and to meet these objectives in a fun setting.

