

Center for Advanced Studies Lunchtime Scholarship Seminar Series



You are cordially invited to the Center for Advanced Studies (CAS) Lunchtime Scholarship Seminar on **Tuesday, October 16, 2018 at the Consolidated Club**. Come hear about the research and scholarship being done by your fellow faculty!

Dr. Zachary Kudlak will be presenting **“A Friendly Introduction to Difference Equations: How I Spent My First Summer at CGA.”** Difference Equations are a fun and exciting field of mathematics, with a variety of applications in areas such as social science, biology, and physics. Systems of difference equations are often used to describe interdependent populations in which the coefficients change over time. In this presentation, I provide a brief introduction to the world of difference equations, including several approachable examples and models from various disciplines. I then lay out a system of equations that describe seasonal effects on environmental change, the focus of my summer research. No prior knowledge will be necessary to enjoy the beauty of difference equations and their applications.

A social time will begin at 1145; you can use this time to catch up with fellow faculty and staff from across the campus. **The presentation will commence around 1210 and will conclude in time for everyone to get to their afternoon classes.**

Lunch costs \$8 and can be paid at the door. Please **RSVP by COB on Friday, October 12, 2018** to Dr. Evan Haglund (evan.t.haglund@uscga.edu).