1st Annual
PCC Spring Symposium

Interdisciplinary research and outreach symposium featuring presentations by PCC-affiliated graduate students and post-docs. Open to faculty, staff and alumni.

Saturday, April 8th 2017
FSH Lobby and Auditorium

8:45 Doors open

9-9:15 Welcoming remarks (Paige Logan)

9:15-10:30 Session I

1. Mariona Claret, Oceanography/JISAO, *Oxygen decline on the NorthWest Atlantic Shelf due ocean dynamical response to warming*
2. Hillary Scannell, Oceanography, *Mechanisms controlling seasonal mixed layer temperature in the Southeast Tropical Atlantic*
3. Pecha kucha: Isabel McCoy, Atmospheric Sciences, *Low clouds and the Southern Ocean bias*
4. Caitlin Whalen, APL, *Ocean mixing from a climate perspective*
5. Jacob Cram, Oceanography, *Particle Size and Ocean Temperature Govern the Global Distribution of Particle Transfer Efficiency through the Mesopelagic*

10:30-11 Tea/coffee break

11:00-12:00 Session II

1. Emma Kahle, ESS, *An ice core temperature proxy: diffusion of water isotope*s
2. Michael Diamond, Atmospheric Sciences, *Can Washington's Clean Air Rule Incentivize Electric Vehicles?*
3. Diana Gergel, *CEE, Regional Climate Modeling over the Arctic using the Regional Arctic System Model (RASM)*
4. Sophie Chu, JISAO, *Capturing dynamics of marine inorganic carbon fluxes from diurnal to decadal timescales*

12:00-12:05 Poster plugs (Marysa Laguë)

12:05-1:30 Lunch/networking time (on your own)

1:30-2:45 Session III

1. Marysa Laguë, Atmospheric Sciences, *A case for simple land models*
2. Cristian Proistosescu, JISAO, *Empirical constraints on climate feedbacks*
3. Pecha kucha: Naomi Goldenson, Atmospheric Sciences, *Extreme Precipitation and Snow*
4. Robert Wills, Atmospheric Sciences, *New Perspectives on Decadal Climate Variability*
5. Greg Quetin, Atmospheric Sciences, *Measuring plants from space*

2:45-3:00 Closing remarks (Paige Logan)

3:00-5:00 Afternoon reception/poster session

1. Robert Masse, Materials Science, *Breaking Bad Habits: Protocol for Mg Battery Electrochemistry*
2. Rick Russotto, Atmospheric Sciences, *Effects of Solar Geoengineering on Meridional Energy Transport and Tropical Precipitation*
3. Johannes Mohrmann, Atmospheric Sciences, *Meteorological and Cloud Microphysical Controls on the Stratocumulus to Cumulus Transition*
4. Isaiah Bolden, Sasha Seroy, Lauren Schmeisser, Molly Roberts and Zack Koehn, Ocean Change IGERT, *Exploring El Niño in Pohnpei, Federated States of Micronesia: Facilitating a Knowledge Network through an Educational Program on El Niño Impacts on Water Resources*
5. Daniel Olsen, Electrical Engineering, *Setting a Carbon Tax for the Electricity Sector*
6. Nancy Williams, OSU Oceanography, *Observing the carbon cycle of the Southern Ocean using biogeochemical Argo floats equipped with pH sensors*
7. Taryn Black, ESS, *Housing and lifestyle patterns among ESS graduate students*