2012 PCC Summer Institute "Atmosphere-Ocean-Ice Shelf Interactions"
Sunday, September 16, 2012 to Tuesday, September 18, 2012
Friday Harbor Labs, Friday Harbor, San Juan Island

Sunday, September 16th
9:15 am depart University District.
11:55 am ferry from Anacortes to Friday Harbor.
1:00 pm arrive in Friday Harbor.

- 2:00-3:30PM Packet and Room Assignment Pickup in Dining Hall.
- 2:30-2:50PM Rowboat Orientation (meet at the Dining Hall if interested).
- 4:00PM Reception and Poster Session in Dining Hall. All Other Sessions are in the Commons.

6:00-6:30PM Dinner

Evening Session: Big-Picture story of the Antarctic and Greenland Ice Sheets: what do the observations tell us? Chair: Eric Steig (UW Earth & Space Sciences)

- 7:00-7:15 Introduction by Mark Warner (UW Ocean) and Eric Steig (UW ESS)
- 7:15-7:45 Christina Hulbe (Portland State) “Big or little? Using numerical models of ice flow to interpret observed change in West Antarctica”
- 7:45-8:15 David Holland (NYU CAOS) "Ice-ocean interaction in Greenland Fjords"
- 8:15-8:45 Open Discussion

Monday, September 17

7:45-8:15AM Breakfast served

Morning Session: Oceanography and ice shelves, Chair: LuAnne Thompson (UW Oceanography)

- 8:45-9:00 Ken Sebens, Friday Harbor Labs
- 9:00-9:45 Laurence Padman (Earth & Space Research) "Modeling the coupled ocean/sea-ice/ice-shelf system response to atmospheric and tide forcing"
- 10:00-10:45 Ian Joughin (UW APL/Polar Science Center) “Ice sheet response to ocean forcing”
- 10:45-11:15---Break (Group Picture)
• 11:15-11:30 **LuAnne Thompson (Director UW PCC)** Program on Climate Change in 2012/2013 and beyond.
• 11:45 - Rowboat orientation (at the pier)
• 12:15-12:45 PM Lunch Served

Afternoon free for discussions, hikes, kayaking or working.

6:00-6:30PM Dinner

**Evening Session: Atmospheric forcing, Chair: Qinghua Ding (UW Atmospheric Science)**

• 7:00-7:30 **Dargan Frierson (UW Atmospheric Sciences)** “The response of high latitude atmospheric circulation to climate forcings”
• 7:45-8:15 **Justin Wettstein (University of Bergen, Geophysical Institute)** “Zonally asymmetric circulations and links to the high latitudes”
• 8:15-8:45 Discussion

**Tuesday, September 18th**

7:45-8:15 Breakfast served; clear out rooms, turn in any keys.

**Morning Session: Role of the large-scale ocean circulation, Chair: Mark Warner (UW Oceanography)**

• 8:45 - 9:30 **Greg Johnson (UW Ocean & NOAA PMEL)** “Recent deep Southern Ocean changes in water masses and circulation; how might they be related to surface forcing?”
• 9:45 to 10:30 **Alex Orsi (Texas A&M, Oceanography)** “Long term changes in Southern Pacific stratification and circulation: fingerprints of Ross Sea responding to climate variability upstream?”
• 10:30 to 11:00 Break
• 11:00 to 12:00 Open Discussion

12:15PM: Pick up sack lunches at the dining hall; catch the 1:50PM ferry to Anacortes