

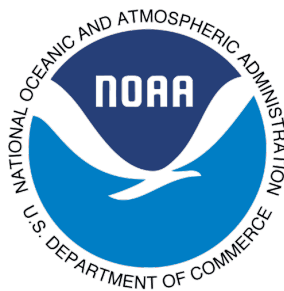
PODS XIII
Physical Oceanography
Dissertations Symposium XIII

AGENDA

Royal Sonesta Kaua‘i Resort
Lihue, Kaua‘i

October 20 – 24, 2024

SPONSORED BY:



Meeting Coordinated by:
Department of Oceanography
University of Hawai‘i at Mānoa

SUNDAY AGENDA: 20 October 2024

- 12:00 PM Puna Court: Registration, with bag lunch*
- 2:00 PM Ko 'olau (Salon 3): Opening of Symposia and Introductions*
- 2:30 PM Invited DISCO Speaker:
Dr. Galen McKinley, Columbia University
- 3:30 PM Break
- 4:00 PM Invited PODS Speaker:
Dr. Eric Chassignet, Florida State University
- 5:00 PM Adjourn

6:00 – 8:00 PM Opening Reception (Puna Court)*

MONDAY AGENDA: 21 October 2024

- 8:00 – 10:00 AM Location: Ko 'olau (Salon 3)
Participant Introductions & Group Activity Organization*
- 10:00 – 11:00 AM Break (Puna Court) & Group Photos*
Group Leaders: Bethan Wynne-Cattanach (PODS) & Paul Wojtal (DISCO)

Location: Ha'iku & Kipu (Puna CD) Session 1: Polar Regions/Sea Ice I (Antarctica)

Session Leader: Mitchell Chandler

11:00 AM Ethan Campbell

11:30 AM Julia Neme

12:00 PM Lunch – *participants free to explore local options*

Session 2: General Circulation, Climate Variability, Global Models, & Heat Budgets I

Session Leader: Allison Ho

1:30 PM Dhruv Bhagtani

2:00 PM Jacob Cohen

2:30 PM Matt Luongo

3:00 PM Break*

Session 3: General Circulation, Climate Variability, Global Models, & Heat Budgets II

Session Leader: Lauren Hoffman

3:30 PM Maurice Huguenin

4:00 PM Shikhar Rai

4:30 PM Mauricio Rocha

6:00 – 8:00 PM Location: Kaua'i Court: Reception/Mixer with Electronic Posters*
Moderators: Peisen Tan (PODS) & Daniel Sandborn (DISCO)

E-POSTER PRESENTATIONS*
21 OCTOBER 2024, MONDAY, 18:00 – 20:00
5 minute talk + 5 minute questions
with breaks for food/beverage – only available 18:30 – 19:30

Moderators: Peisen Tan (PODS) & Daniel Sandborn (DISCO)

6:10 PM Kyung-Min Noh (DISCO)

Ocean Iron Fertilization for Carbon Uptake Efficacy

6:20 PM Zhihua Zheng (PODS)

Large Eddy Simulations of Interior-Boundary Layer Exchange at Submesoscale

6:30 – 6:50 PM BREAK

6:50 PM Abigale Wyatt (DISCO)

Using general circulation models to assess the impact of wind variability on CO₂ uptake efficiency during ocean alkalinity enhancement experiments near the San Francisco Bay

7:00 – 7:30 PM BREAK

7:30 PM Lauren Hoffman (PODS)

Machine learning as a tool to predict and understand Arctic sea-ice motion.

7:40 PM Jake Weis (DISCO)

Assessing productivity drivers in East Antarctic polynyas using animal-borne sensors (seal tags)

TUESDAY AGENDA: 22 October 2024

Location: Ha'iku & Kipu (Puna CD)

Session 4: General Circulation, Climate Variability, Global Models, & Heat Budgets III/Waves, Eddies, Turbulence, & Mixing I

Session Leader: Marufa Ishaque

8:30 AM Élise Beaudin
9:00 AM Iury Simoes-Sousa
9:30 AM Ali Exley
10:00 AM Break*

Session 5: Waves, Eddies, Turbulence, & Mixing II

Session Leader: Julia Neme

10:30 AM Jiarong Wu
11:00 AM Peisen Tan
11:30 AM Zhihua Zheng
12:00 PM Lunch - participants free to explore local options

Session 6: Waves, Eddies, Turbulence, & Mixing III

Session Leader: Sam Stevens

1:30 PM Bethan Wynne-Cattanach
2:00 PM Allison Ho
2:30 PM Harpreet Kaur
3:00 PM Break*

Session 7: Polar Regions/Sea Ice II (Arctic)

Session Leader: Maurice Huguenin

3:30 PM Laura Crews
4:00 PM Lauren Hoffman
4:30 PM Adjourn and Volleyball game* - PODS vs. DISCO
(sunset at 6:07 PM)



WEDNESDAY AGENDA: 23 October 2024

Location: Ha'iku & Kipu (Puna CD)

Agency Presentations and Discussions*

8:30 AM Brief Introductions of the US Federal Science Agencies

- National Science Foundation
- National Oceanic and Atmospheric Administration
- Office of Naval Research
- National Aeronautics and Space Administration

10:00 AM Break
10:30 AM Planning and Executing a Research Cruise: Chris Measures, UH
11:00 AM Inclusive Workspaces: Rooted & Resilient: Jenny Engels, UH
11:30 AM Proposal Writing and Review
12:00 PM Question/Answer Session with federal agency representatives
12:30 – 2:30 PM Buffet Lunch*: Small group discussions

THURSDAY AGENDA: 24 October 2024

Location: Ha'iku & Kipu (Puna CD)

Session 8: Tropics

Session Leader: Jiarong Wu

8:30 AM **Mareike Körner**
9:00 AM **Marufa Ishaque**
9:30 AM **Annie Adelson**
10:00 AM **Break**

Session 9: Ocean Boundaries, Marginal Seas, and Shelf

Session Leader: Harpreet Kaur

10:30 AM **Lukas Taenzer**
11:00 AM **Sam Stevens**
11:30 PM **Mitchell Chandler**
12:00 PM **Lunch - participants free to explore local options**

JOINT SESSION - MOVE TO: Ko'olau (Salon 3)

1:30 PM **Group Activities*: Report & Discussion**
3:00 PM **Break***
3:30 PM **Continue Reports on Group Activities***
5:00 PM **Adjourn**

6:30 – 8:30 PM **Closing Banquet* (Luau Grounds, weather permitting)**

**Denotes joint DISCO and PODS group activities*