08:00  Arrival and Coffee/Tea

08:30  Welcome and Introduction to Symposium: WOAC Co-directors Terrie Klinger and Jan Newton

Group Introductions: All (name and affiliation only)

Session 1: Ocean Acidification Field Observations

9:00-9:15  Richard Feely (NOAA PMEL) - How anthropogenic carbon dioxide uptake and respiration reduce habitat suitability for marine calcifiers along the West Coast of North America

9:15-9:40  Simone Alin (NOAA PMEL) - What observations on Washington's outer coast and Salish Sea are teaching us about ocean acidification change through time

9:40-9:55  Micah Horwith (WA Ecology) - Larval timing and seasonality in acidification conditions

9:55-10:20  Session 1 Discussion (25 min)

10:20-10:40  Refreshment break and posters (20 min)

Session 2: Advances in Assessing Ocean Acidification and Biological Response

10:40-10:55  John Sharp (CICOES/PMEL) - Observation-based mapping of OA in the Pacific Northwest and other US Large Marine Ecosystems

10:55-11:10  Parker MacCready (UW Ocean) - New improvements in the LiveOcean modeling system

11:10-11:25  Jan Newton (UW APL/Ocean/SMEA) - A regional vulnerability assessment to ocean acidification for the Olympic Coast

11:25-11:45  Session 2 Discussion (20 min)

11:45-12:00  Poster briefs (2 min each)

12:00-12:50  Lunch break and posters (buffet lunch provided) (50 min)

Session 3: Biological Responses to Ocean Acidification I
12:50-13:05  Alexis Fischer (UCAR) - Drivers of Pseudo-nitzschia spp. abundance and toxicity in the Northern California Current System

13:05-13:20  William Cochlan (SFSU) - Variable impacts of ocean acidification on the growth and toxigenicity of two Pseudo-nitzschia species from the California Current Upwelling System

13:20-13:35  Shallin Busch (NOAA NWFSC) - Response of adult krill to global change


13:50-14:15  Session 3 Discussion (25 min)

14:15-14:40  Refreshment break and posters (25 min)

Session 4: Biological Responses to Ocean Acidification II

14:40-14:55  Paul McElhany (NOAA NWFSC) - Dungeness Crab in an acidifying ocean: experiments, models, and real-world uncertainty

14:55-15:10  Craig Norrie (UW SAFS) - Shellfish stress & chromosome copies: Responses of diploid and triploid Crassostrea gigas to climate change stressors

15:10-15:25  Brooke Love (WWU) - The embryos of Pacific herring are resilient to combined acidification and acute warming - but there are limits

15:25-15:40  Terrie Klinger (UW SMEA) - Biological sensitivities to high-resolution climate change projections in the California Current marine ecosystem

15:40-16:05  Session 4 Discussion (25 min)

Session 5: Looking Forward

16:05-16:20  Liz Perotti (NOAA OAP) - Priorities, investment, and capacity building in the region - what are our next steps?

16:20-16:35  Brad Warren (Global Ocean Health) - mCDR: Opportunities & challenges for the OA community

16:35-16:55  Session 4 Discussion (20 min)

16:55-17:00  Closing Remarks: WOAC Co-directors

17:00  Adjourn

Poster Session Titles:
Ali Chase (UW APL) - Phytoplankton in Puget Sound during 2014-2019: HAB species and OA parameters

Maya Garber-Yonts (UW SMEA) - Using time-series eDNA to evaluate harmful algal taxon in Puget Sound

Miranda Roethler (UW SAFS) - Effects of ocean warming and acidification on bull kelp photophysiology

Mary Margaret Stoll (UW Ocean) - A century of change in the California Current: Quantifying the impact of anthropogenic climate change on ocean chemistry

Kate Hewett (UW Ocean) - Hypoxic and corrosive volumes on the shelf in the Northern California Current System

Amelia Ritger (UC Santa Barbara/OCNMS/ONP) - Developing low-cost, simplified, and open source Durafet-based pH instrument electronics

Thanks for attending!

Please find us at https://oceanacidification.uw.edu/