

# Columbia River and Adjacent Waters (CRAW\*\*) Seminar

## NSF OCEAN OBSERVATORIES INITIATIVE: IMPLICATIONS FOR SUSTAINED OCEAN OBSERVATIONS IN THE PACIFIC NORTHWEST

**THU 22 OCT 09 - 4:30p - Cramer Hall 250 (PSU)**

Timothy (Tim) J. Cowles, [tcowles@oceanleadership.org](mailto:tcowles@oceanleadership.org)  
Professor, College of Oceanic and Atmospheric Sciences at Oregon State University  
Program Director of Ocean Observatories Initiative, Consortium for Ocean Leadership

Ocean Observatories Initiative (OOI) is a 5-yr, \$386.4M construction project that will install (beginning in late 2012 or early 2013) a sophisticated ocean observing infrastructure to be maintained for 25-to-30 yrs. It will be a system of network nodes at global, regional, and local scales that are connected to seafloor and moored sensors, plus autonomous vehicles with sensors. They will sample from the seafloor to the sea surface, with a core suite of 49 multidisciplinary sensor types. At the regional scale, there will be nodes at three deepwater locations in the vicinity of the Juan de Fuca Spreading Center/Cascadia Subduction Zone. At the coastal scale, there will be a line of three profiler moorings (at water depths of 25, 80, and 500m) off Newport, OR and another profiler line off Grays Harbor, WA, both together with three gliders. The data will be provided via advanced cyber-infrastructure and will be fully open to all users.

\*\* The Columbia River and Adjacent Waters (CRAW) Seminar Series is an occasional series of multidisciplinary seminars with a non-exclusive focus on the physical dynamics of the Columbia River, including its onshore drainage basin, lower-river estuary, and offshore plume, and the regional atmosphere above. Thus, the CRAW dominion is central to many sustainability issues in Oregon and Washington. And the CRAW Seminar Series provides a forum for fostering a multidisciplinary, system-wide approach. This approach will help the Portland Metropolitan Area's research community gain usefully accurate understandings of the CRAW physical dynamics, ecological and societal impacts, and responses to climate variability and global change as priority tasks for the foreseeable future.

Inquiries about the CRAW Seminar Series should be directed to:  
Research Professor Chris Mooers, CEE/PSU ([cmooers@cecs.pdx.edu](mailto:cmooers@cecs.pdx.edu))





○ Portland Streetcar  
 ○ MAX Light Rail