EE 500E Energy & Environment Seminar

Title: Snohomish PUD Tidal Power Project

Speakers:
Prof. Mitsuhiro Kawase, Oceanography
Dmitri Leonov, Post-Doctoral Researcher
Brian Polagye, Graduate Student

Location: Room 125, EE building, UW campus
Time and Date: 4:30 pm - 5:20 pm, Wednesday, November 14, 2007

Abstract

Interest in indigenous and renewable energy sources has increased greatly in the last several years. Around Puget Sound, people are becoming interested in harnessing the power of strong tidal currents in the water. Snohomish Public Utility District (SnoPUD) has applied for and been granted permits to study the power generation potential of currents in two channels, Deception Pass and Admiralty Inlet. The University of Washington has partnered with SnoPUD to conduct oceanographic and hydrodynamic research in these channels.

We will describe oceanographic characteristics of the two channels, recent measurements made on the current, and modeling efforts that are under way to fine tune device siting and impact assessment.

Mitsuhiro Kawase is associate professor of oceanography at University of Washington School of Oceanography. His research focuses on understanding and modeling of circulation in fjord channels such as Puget Sound and Hood Canal.

Dmitri Leonov is a postdoc at the School of Oceanography working with Mitsuhiro Kawase.

Brian Polagye is a graduate student working with Prof. Kawase.