

## **Fisheries Telemetry: Recent advances and techniques for achieving success**

**Feb 24, 2009, 1:00 – 5:00 pm and Feb 25, 8:00 – 11:30 am**

**The Riverhouse Resort, 3075 N. Business 97, Bend, Oregon**

**Sponsored by: The Oregon Chapter of the American Fisheries Society, OSU, ODFW, USGS**

Conveners: Carl Schreck, Shaun Clements, John Beeman, Noah Adams

This one day workshop covers the principles and techniques of radio and acoustic telemetry. The workshop will include a mix of powerpoint presentations and interactive demonstrations of tagging (including hands-on experience), telemetry setup, and data management/validation (i.e. when is a fish actually a fish).

Our goal is to improve participants understanding of how to use telemetry to meet a variety of study objectives. Participants should be familiar with the following at the conclusion of the workshop:

- Latest advances in telemetry equipment.
- Surgical techniques, including the latest research on minimizing the impact of surgery.
- Understand how stress (associated with tagging) can affect fish behavior and how to address this in the study design and conclusions.
- Appropriate tag to body weight ratios (based on a synopsis of research)
- How to deploy receivers and/or antennas: site selection and setup
- How to optimize detection efficiency
- How to manage and validate data