



Wildlife Computers
Innovative Tags for Innovative Research

OSU
Oregon State
UNIVERSITY
Marine Mammal
Institute

Fourth International Symposium on Biologging Workshop

Workshop:

Objectively Diving Into the Analysis of Time-Depth Recorder Series and Behavioral Data Records

Organizers:

Jamie N. Womble, Oregon State University, Marine Mammal Institute
Dr. Markus Horning, Oregon State University, Marine Mammal Institute

Workshop Sponsors: Wildlife Computers & Oregon State University-Marine Mammal Institute

Date: Saturday 12 March 2011 from 08:30 to 17:00

Venue: Wellington Room, Wrest Point Hotel & Conference Center, Sandy Bay, Tasmania

Workshop Description & Objectives:

The overarching goal of this workshop is to provide a forum for the presentation and discussion of objective methods that can be used to classify and analyze dive and behavioral data collected from time-series data recorders deployed on air-breathing marine vertebrates. Specifically, our objectives are to host a series of presentations and discussions focused on (1) defining and quantifying physiological and / or behavioral units such as dives, bouts, and other biologically relevant behaviors from time-series recorder data, (2) analytical approaches and techniques that can be used to objectively determine suitable behavioral units and descriptive metrics relative to environmental parameters, and (3) identifying methods for assessing and effectively dealing with temporal autocorrelation in dive data. We envision an interdisciplinary approach to the workshop objectives and hope to target a variety of user-groups including graduate students, biologists, biometricians, statisticians, and instrument and software developers. The morning session will be a series of invited presentations and the afternoon session will include a round-table discussion.

Anticipated Outcomes of the workshop:

Anticipated outcomes include the discussion and identification of appropriate objective-based analytical methods for the analysis of diving behavior. Findings and discussion will be presented in a review or series of papers submitted to a peer-reviewed journal or conference proceedings.

Speakers: To be detailed later in workshop agenda.

Participation in Workshop:

This workshop is open to all interested conference attendees; however, space is limited to 40 people. There will be tea/coffee service; however, lunch will be on your own.

Please express interest in attending the workshop by Feb. 10 to jamie.womble@oregonstate.edu