

Workshop Topic:

Fine-scale on-animal movement sensing: methods, performance and limitations

Chairs:

Mark Johnson, Yan Ropert-Coudert

Workshop description:

The fine-scale movements of wild animals are of fundamental interest in studies of foraging, energetics, social interactions and effects of disturbance. Many animal tags now incorporate a variety of movement and orientation sensors and methods to exploit these data are being developed. However, data from these sensors is often challenging to analyse and the opportunities for misinterpretation are substantial. As these sensors become more widely used, it is increasingly important to share and standardize methods so that data can be compared across studies, species and devices. The objectives of this workshop are to critically evaluate the methods used to sense fine-scale animal movement and orientation, and to explore the challenges and limitation of these methods. The full-day workshop will begin with a tutorial orientation followed by invited and contributed talks, and a round-table discussion. Talks will cover (i) estimating orientation, speed and thrust with on-animal sensors, (ii) visualizing, quantifying, and interpreting orientation and movement data, and (iii) accuracy and calibration of sensors. A test data set will be available prior to the workshop. Presentation proposals are welcome.

Venue, date and time:

Centenary Lecture Theatre, Univ. of Tasmania, Sunday, 13th March, 8:30am - 5:30pm

Cost:

TBD (to cover refreshments)

Participation in the workshop:

Please contact Mark Johnson, Woods Hole Oceanographic Institution - Marine Mammal Center
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