



Symposium on Data Storage Tags and telemetry

DTU Aqua, Wednesday 8th of February 2012

Telemetry and DSTs allow for collection of data from individual fish moving freely in their natural habitat, and provides information of immense importance for understanding e.g. fish migrations, interactions and preferred environments. We invite you to join a day that encompasses case studies, evaluation of pros and cons, mathematical and statistical approaches and so forth. Sessions will be introduced by invited leading experts. Please note that the symposium will be in English

- Opening 9:30** Welcome and introduction by *Jane Behrens* and *Jonna Tomkiewicz* (DTU Aqua)
- Morning session 9:45-12:15** Presentations of work based on information retrieved mainly from DSTs and mathematical and statistical approaches to geolocation. Chairs: *Uffe H. Thygesen* and *Jane Behrens*
- Keynote Julian Metcalfe (CEFAS)* From simple measurement to complex behaviours: using telemetry to understand fish in their environment
- Stefan Neuenfeldt (DTU)* Greenland halibut as measuring instruments for temperature profiles below the Jakobshavn Isfjord glacier
- Junita Karlsen (DTU)* Hot on the tail of large adult cod in the North Sea
- Uffe Høgsbro Thygesen (DTU)* Inferring movements and behaviours from data storage tags
- Martin Wæver Pedersen (DTU)* Analysing PSAT data from a southern bluefin tuna with a hidden Markov model
- Afternoon session 13:15-16:15** The afternoon session will focus on work involving telemetric methods including satellite transmission. Chairs: *Christian Skov* and *Jane Behrens*
- Keynote Kasper Thorup (KU)* Solving the mystery of migration: Tracking of small birds
- Kim Aarestrup (DTU)* Possibilities and problems with using PSAT technology to map long distance migration of fish
- Christian Skov (DTU)* PIT tags and migration of lacustrine fishes
- Lene Jacobsen (DTU)* Disturbance of fish behavior in a small lake; insights from an automatic telemetry system
- Claus Stenberg (DTU)* Use of acoustic telemetry to assess flatfish behavior and response to habitat loss and hypoxia
- Michael Axelsson (GU)* A third generation biotelemetric system for hemodynamic studies, examples from fish to giraffe
- Organisation and registration** The symposium is organized by DTU Aqua's cross-sectional research program Individual Biology and takes place in Riddersalen at Charlottenlund Castle, Jægersborg Allé 1, 2920 Charlottenlund
Registration is compulsory as lunch and coffee is provided – please sign up by mailing your name, affiliation and position to Jane Behrens: jabeh@aqu.a.dtu.dk or mobile +45 2329 6863