



BIOACOUSTICS WORKSHOP



Instructor: Prof. Rohini Balakrishnan,

Centre for Ecological Sciences, Indian Institute of Science, Bangalore, India

Dates: 15-18 February 2016

Venue: Dept. of Conservation Ecology and Entomology,
University of Stellenbosch

This workshop will provide practically useful information on the recording and analysis of sound signals across diverse animal taxa. It will include a brief introduction to the different kinds and representations of sound signals, how to choose appropriate sound recorders and microphones, basics of signal analysis, and demonstration of some of the commonly used software for analysis of bird, bat and insect calls. It will also illustrate how sound signals may be used for acoustic species identification and biodiversity monitoring using quantitative techniques, both statistical and psychophysical. Lectures will be complemented with hands-on experience of acoustic signal analysis and experimental design.

Topics covered (Morning lectures followed by hands-on interactive sessions in the afternoons)

Day 1: Basics of sound, sound recording and analysis

Day 2: Using acoustic signal data for species identification

Day 3: Designing psychophysical experiments to calibrate listener and observer accuracy during acoustic sampling

Day 4: Soundscapes: what can they tell us?

Cost per participant: R3800 (includes lunch)

Expression of interest deadline: 10 January 2016

For application information, contact Dr. Corey Bazelet, SU-IPM Initiative, Department of Conservation Ecology and Entomology, Stellenbosch University

Email: cbazelet@sun.ac.za

Tel: 076-365-7928