



Università degli Studi di Pavia

Dipartimento di Biologia Animale

Centro Interdisciplinare di Bioacustica e Ricerche Ambientali



**4th International Workshop on Detection, Classification and Localization
of Marine Mammals Using Passive Acoustics**

**1st International Workshop on Density Estimation of Marine Mammals
Using Passive Acoustics**

**Collegio Cairoli, University of Pavia, Italy
September 2009, 10th – 13th**



ONR N00014-09-1-0894
ONR-G N62909-09-1-1088



The objective of the **DCL** workshop is to improve general understanding of methods to detect, classify, locate, track and monitor marine mammals in their environment. After three workshops dedicated to individual species, this fourth workshop is focused on a more complex issue: the analysis of real-world complex acoustic scenes and the use of the context for identifying acoustic components of interest.

A set of underwater recordings was made available online to encourage researchers to work on a common dataset, to focus on the same problems, to find original solutions, and to present and compare them at the workshop. Researchers working on their own datasets are welcome as well.

The workshop is introduced by two lectures.

The **DE** workshop brings together researchers working on estimating absolute density or abundance of marine mammal populations using passive acoustics.

The workshop is introduced by a tutorial overview of the topic, followed by presentations showcasing relevant research.

The organization of these workshops together is particularly topical given the emerging interest and need for processing acoustic monitoring data into meaningful population statistics to be used for science, management and conservation.



Scientific Committee

Gianni Pavan (CIBRA, Univ. of Pavia, Italy); Walter Zimmer (NURC, Italy); David Moretti (NUWC, US); Bob Gisiner (MMC, US); John Potter (Acoustic Research Laboratory, Tropical Marine Science Institute, National University of Singapore); Olivier Adam (NAMC, Paris University, France); Len Thomas (Univ St Andrews, Scotland; convenor of the DE workshop).

Organizing Committee

Gianni Pavan, CIBRA (DCL Workshop) & Len Thomas, StAndrews University (DE Workshop)

Email for info gianni.pavan@unipv.it
or visit the web page

<http://www.unipv.it/cibra/DCLWorkshop2009.html>

Program

September 9: 17 PM, Registration opening and welcome cocktail

September 10 to 12: DCL Workshop

September 13: Density Estimation Workshop

Information for the Workshops' Proceedings (Journal, Format, Deadline) will be given soon on the website and by email to Authors.

More details on: <http://www.unipv.it/cibra/DCLWorkshop2009.html>