

# Call for abstracts

acoustic SCene ANalysis for Detecting Living Entities

Workshop on Sounds and Sound Processing in Natural and Artificial Systems  
**Plymouth UK, 20/21 February 2012**

## Making Sense of Sounds

***How much can we learn about what is going on in the world simply by listening?***

Living organisms constantly generate sonic cues about their presence as they move and interact with the world around them. What can we tell about their behaviour or state of mind through the sounds they emit or modulate as they act and interact with the environment?

This workshop will discuss many aspects of sound processing, including sound perception in natural systems (humans and animals), the use of sounds to probe the environment (bio-sonar), computational modelling of auditory processing, and the development of bio-inspired real-time sound processing systems.



**Submissions are invited that address , but are not restricted to, the following topics:**

- *Listening in time*
- *Listening in the real world*
- *Listening to movement*
- *Neural basis for auditory perception*
- *Bio-inspired hardware devices and systems*

Submissions may take the form of a talk, poster or demo; please indicate your preferred medium.

### Deadlines:

**Abstract : 31 December 2011**

**Registration : 31 January 2012**

### Invited Speakers

- ❖ **Andreas Andreou** (Johns Hopkins University)
- ❖ **Tjeerd Andringa** (Groningen University)
- ❖ **Guy Brown** (Sheffield University)
- ❖ **Maria Chait** (Ear Institute, UCL)
- ❖ **Susan Denham** (Plymouth University)
- ❖ **Julio Georgiou** (University of Cyprus)
- ❖ **Alexander Gutschalk** (Heidelberg University)
- ❖ **Giacomo Indiveri** (University of Zurich)
- ❖ **Georg Klump** (Oldenburg University)
- ❖ **Katrin Krumbholz** (MRC Institute of Hearing Research)
- ❖ **Maneesh Sahani** (Gatsby Institute, UCL)
- ❖ **Thomas Wennekers** (Plymouth University)
- ❖ **István Winkler** (Institute for Psychology, Hungary)

Participating in this workshop is free and there is some financial support for those students or postdocs needing it.

**Abstracts (100-200 words) should be submitted by email to: [scandleworkshop@gmail.com](mailto:scandleworkshop@gmail.com)**

**Enquiries to Lucy Davies: [lucy.davies4@plymouth.ac.uk](mailto:lucy.davies4@plymouth.ac.uk)**