

Call for Paper - Abstracts for Contributed Presentations

## **INSPIRE 2009**

### **Conference on information representation and estimation**

Electrical and Electronic Engineering Department,  
Imperial College London, London, UK,  
September 21-24, 2009

The first INSPIRE meeting will be held at Imperial College London, September 21-24, 2009. The aim of the INSPIRE network is to encourage and synergise research developments between signal processing as well as data analysis and modelling. The meeting will include plenary lectures, invited sessions on focused topics (see below), two tutorial sessions with introductions to topical areas of signal processing, mainly aimed at graduate students as well as sessions with contributed presentations and posters.

We invite contributed papers in all areas of signal processing and data modelling as well as data analysis that match the topics of the invited sessions, as well as papers in any general area in the field, especially sparsity, manifold learning, feature extraction and inverse problems. We invite you to submit an extended abstract of up to two pages, with pointers to reference material where appropriate. **Please send your extended abstract to p.dragotti at imperial.ac.uk.**

Submissions should be received by June 10, 2009. Notification of acceptance will be given by July 10, 2009. For any further questions please contact the conference organizers, Sofia Olhede, UCL s.olhede at ucl.ac.uk or Pier Luigi Dragotti p.dragotti at imperial.ac.uk

Conference website [http://www.network-inspire.org/pages/network\\_initiatives/](http://www.network-inspire.org/pages/network_initiatives/)

Network website <http://www.network-inspire.org/>

The confirmed plenary speakers are:

- Prof Zoubin Ghahramani Cambridge University  
<http://learning.eng.cam.ac.uk/zoubin/>
- Prof Eric Moulines Ecole Nationale Supérieure des Télécommunications (ENST)  
<http://www.tsi.enst.fr/~moulines/>
- Prof Martin Vetterli Ecole Polytechnique Fédérale de Lausanne  
<http://icavwww.epfl.ch/~vetterli/>

Invited Sessions Include:

- Monte-Carlo: Methodology organized by Alex Beskos, UCL
- Statistical inference for nonstationary time series organized by Su Rao, Texas A & M
- Probabilistic models: dynamic, graphical and latent variable models organized by Ricardo Silva, UCL
- Multi-resolution analysis and computer vision - organized by Anil Bharath, ICL
- Inverse Problems - organized by Pier Luigi Dragotti, ICL

Training Sessions:

- Monte Carlo methods: From independent to Markov chain sampling. – Prof Petros Dellaportas <http://www.stat-athens.aueb.gr/~ptd/home.htm>
- Sparse Sampling of Structured Information - Dr Pier Luigi Dragotti  
<http://www.commsp.ee.ic.ac.uk/~pld/>