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## 7th International Conference on Independent Component Analysis and Signal Separation

*London, UK*

*9-12 September 2007*

### Call for Papers

The 7th International Conference on Independent Component Analysis and Signal Separation (ICA 2007) will be held at Queen Mary, University of London, from Sunday 9 September to Wednesday 12 September 2007. Following the previous ICA conferences in Aussois (France), Helsinki (Finland), San Diego (CA, USA), Nara (Japan), Granada (Spain) and Charleston (SC, USA), this year the conference is organized and sponsored by the *ICA Research Network*, an EPSRC-funded network of researchers in over 25 UK institutions.

The Conference will include invited talks as well as oral and poster presentations of refereed papers and special sessions. It will be organized in a single track and will be selective.

Papers are solicited in all areas of independent component analysis and signal separation, including blind source separation (BSS), as well as semi-blind, non-blind, and model-based signal separation. Topics of interest include (but not limited to) the following:

- Algorithms and Architectures: non-linear ICA, probabilistic models, sparse coding, linear & nonlinear models, convolutive & noisy models;
- Theory: optimization, complex methods, time-frequency representations;
- Applications: audio, bio-informatics, biomedical engineering, communications, finance, image processing, psychology;
- Emerging Technologies: analogue and digital VLSI implementations, photonics;
- Functional Neuroimaging: EEG, ERP, MEG, fMRI, applications in neuroscience;
- Speech and Musical Audio: source separation, denoising, dereverberation, temporal models, computational auditory scene analysis (CASA), beamforming;
- Visual and Sensory Processing: image processing and coding, image separation.

All contributions must be original, and must not have been previously published, nor be under review for presentation elsewhere. Detailed instructions for submission to ICA 2007, including formatting instructions and templates, will be available from the conference website at <http://www.ica2007.org>

### Important Deadlines

Special session proposals

1 March 2007

**Paper submission deadline**

**23 March 2007**