



## CALL FOR PAPERS

ICA 2009, March 15-18, 2009

8th International Conference on  
Independent Component Analysis and Signal Separation

Paraty, Brazil

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Independent Component Analysis and Signal Separation is one of the most exciting current areas of research in statistical signal processing and unsupervised machine learning, and has applications at the intersection of many science and engineering disciplines concerned with understanding and extracting useful information from data as diverse as neuronal activity and brain images, bioinformatics, communications, audio, video, sensor signals, or time series.

The 8th edition of the ICA conference will be held at the Casa da Cultura, Paraty, Brazil, March 15-18, 2009. The meeting will feature keynote addresses by leading researchers, as well as invited and contributed papers.

### PAPER SUBMISSION

Prospective authors are invited to submit papers in the following areas:

- **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, text, image processing, psychology;
- **Emerging Technologies:** analogue and digital VLSI implementations, photonics;
- **Functional Neuroimaging:** EEG, MEG, fMRI analysis, 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.

### SPECIAL SESSION ON EVALUATION

ICA 2009 will feature a special session on the first community-based Signal Separation Evaluation Campaign (<http://sisec.wiki.irisa.fr/>). Researchers entering the campaign are encouraged to submit a paper to this session describing their approach. Papers discussing new algorithms or application strategies for existing algorithms (e.g. signal representation, parameter settings) are both welcome. Accepted papers will be published in the proceedings of ICA 2009, after review by the evaluation chairs and the program chairs.

### IMPORTANT DATES:

- October 15, 2008 - Submission deadline
- December 5, 2008 - Notification of acceptance
- December 15, 2008 - Final paper due

### INFORMATION

Proceedings will be published in Springer-Verlag's Lecture Notes in Computer Science Series (LNCS). LNCS is published, in parallel to the printed books, in full-text electronic form. All contributions must be original, and must not have been previously published, nor be under review for presentation elsewhere. Extended versions of a selection of papers presented at the conference will be considered for a special issue of a journal to appear in 2009. Detailed instructions for submission to ICA 2009 and further information are available in the conference website:

<http://www.dspcom.fee.unicamp.br/ica2009>

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