



International Conference on Image Processing Theory,
Tools & Applications



<http://www.ipta-conference.com/ipta23>
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CALL FOR PAPERS: Special Session

Signal, Image processing and Machine Learning for Neuroscience

Data from brain signal and image acquisition requires increasingly complex approaches involving high-level modelling, representation and processing to improve our understanding of brain function. This special session will focus on new approaches to signal and image processing and recent machine learning techniques (CNN, deep learning, ...) in neuroscience.

Fundamental aspects as well as applications will be on the agenda of this special session. The covered topics could be, but are not limited to :

- Advanced Signal processing
- Brain/machine interfaces
- Modeling approaches
- Massive structured dataset
- Machine learning
- Medical imaging
- Image processing, analysis and display
- Computer applications for clinical or surgical practice
- Image-guided therapy
- Robotics, instrumentation and navigation
- Algorithmic and/or statistical methods
- Computer-aided diagnosis

For further information, please contact: ipta.paris23@gmail.com

