



International Journal of Imaging Systems and Technology

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Journal

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DESCRIPTION

Imaging systems are rapidly becoming a ubiquitous part of our daily environment. Their success has been made possible by a unique blend of science and technology achieved in the latter part of the 20th century. In addition to performing mundane tasks, imaging systems allow us to study astronomical objects and molecules; they are widely used in quality control and oil exploration. Remarkably, the same principles are used to build non-invasive tools for studying the anatomy and physiology of various human and animal organs, including the most complex one, the brain. The *International Journal of Imaging Systems and Technology – Neuroimaging and Brain Mapping* is a forum for the exchange of ideas and results relevant to imaging systems and their applications in the field of Neuroscience.

The *International Journal of Imaging Systems and Technology - Neuroimaging and Brain Mapping* began focusing on the field of Neuroscience in a broad sense in early 2010, including relevant algorithmic research and hardware and software development. The Journal publishes general-interest articles on neuro-imaging. The scope of the Journal includes, but is not limited to, the following:

- Imaging and neuro-imaging modalities: MRI, fMRI, PET, SPECT, CT, ultrasound, etc.;
- Software and hardware for imaging, especially related to human and animal health;
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Brain disease: stroke, tumors, lesions, cerebral vascular disease, psychiatric conditions, mental disorders, etc.;

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Human and animal neuroscience including cognitive processing, etc.;

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Functional Brain mapping;

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Neuromodulation techniques;

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Normal aging and dementias;

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Neuro-radiology;

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Clinical studies on human/animal brain;

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Image databases for human/animal brain;

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Computer vision, based on human/animal physiology;

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Optical imaging and holography;

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Physiological imaging.

Please note that we are no longer able to accept manuscripts related to:

- Radar and synthetic aperture imaging;
- Seismic and geophysical imaging;
- Sensor materials/sensing techniques without the inclusion or relevance/focus of human/animal brain;
- Algorithm-based image processing techniques without the inclusion or relevance/focus of human/animal brain;
- Image compression techniques without the inclusion or relevance/focus of human/animal brain.

All the submitted papers are reviewed by at least two referees. The editors try to maintain very high standards and papers are judged primarily on the ideas they contain, novelty, and relevance. All papers should be submitted via on-line submission system: <http://mc.manuscriptcentral.com/ima>.

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