

Special Session for Biomedical Imaging

The rapidly growing field of biomedical imaging and novel information analysis techniques enables one to visualize physiological structures, measure biological functions, and evaluate cellular and molecular events without requiring invasive procedures. Research in this area is progressing at an extraordinary rate and is becoming more and more interdisciplinary. As a special session for Biomedical Imaging of the FBIT, we invite the submission of full papers and/extended abstract as related to biomedical imaging. The scope of papers may cover, but not limited to:

- Non-invasive biological and biomedical imaging, including optical methods for biomedical imaging and diagnosis and other BioDevices for BioImaging
- Imaging and Signal Processing techniques for Biomedical Image Formation, Reconstruction, Analysis, Improvement and management
- Applications of computer vision and machine learning algorithms to biological images, especially for the automated extraction of new biological knowledge from complex and highly variable images
- Mathematical modeling and Statistical methods in Biomedical Image Analysis
- Biomedical imaging Archiving and Communication Systems
- Algorithms for Computer Aided Diagnosis with Biomedical Images
- Functional Imaging Study, to name a few here: MRI and PET
- Computational Anatomy: study of anatomical variability in health and disease via deformable templates as inspired by D'Arcy Wentworth Thompson.

A refereed paper will appear in one of the approved publications by the conference date:

Journal of Biomedicine and Biotechnology: A special issue of this journal is fully agreed *open to conference participants only* to accommodate a good number of high quality papers from the best accepted in RC4I and MWP for review. Appears by the conference date and details are in the conference pages (open access with I.F. 1.8 in SCIE).

Soft Computing journal: special issue of this SCIE listed journal for select Bio-inspired computation
IEEE Conference Proceedings: E.I. listing, high quality proceedings

For further details visit <http://www.sersc.org/FBIT2007/page7.php>

Important Dates:

Paper Submission Deadline 15 June 2007

(click for [LaTeX](#) or [Word](#) style files)

Notification of Acceptance 5 July 2007

Final Paper Submission 31 July 2007

Advance Registration Deadline 1 August 2007

Final Program Announced 15 September 2007

Send your paper directly to the Special Session Organizer:

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