

Call for Papers

Special Issue on '*Recent Advances in Computational Techniques for Biomedical Imaging*' *International Journal for Numerical Methods in Fluids (FLD)*

Communications in Numerical Methods in Engineering will publish a special issue on 'Recent Advances in Computational Techniques for Biomedical Imaging'. The Guest Editors for this issue will be Professor Guo-Wei Wei, Department of Mathematics and Department of Electrical and Computer Engineering, Michigan State University and Professor Ge Wang, Director of Biomedical Imaging Division, Virginia Polytechnic Institute and State University.

Recent advances in biomedical imaging have revolutionized diagnosis, therapy and discovery in both clinical and pre-clinical settings. Although traditional tomographic and post-processing methods become increasingly sophisticated, emerging new modalities play more and more critical roles in anatomical, functional, cellular and molecular imaging. Mathematical and computational techniques have been instrumental to these developments and their momentum.

We invite the original papers and high-quality overviews on all the relevant topics including but not limited to:

- Algorithms for biomedical image reconstruction
- Techniques for biomedical image analysis and visualization
- Forward models and inverse solutions
- Interface problems in biomedical imaging
- Multi-modal imaging
- Evaluation and comparison of biomedical imaging modalities

Paper Submission Details

Completed papers should conform to the journal's style and to the instructions for authors, which can be found on the journal's homepage, under 'For Authors'.

Papers have to be submitted online via the journal's homepage to <http://www3.interscience.wiley.com/cgi-bin/jabout/5902/ForAuthors.html> under 'Online Submission'. Authors must select Guo-Wei Wei or Ge Wang as Editor. Each submission must be clearly identified as a submission for this special issue, and the special issue code, RACTI, must be entered in the Special Issue Title field, when requested. Publication will take place according to the following schedule:

Manuscript due: 1 April 2008
First review completion: Mid 2008
Anticipated publication date: End of 2008

Guest Editors

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