

## CFP: Special Issue: ■ Image-guided Intelligent Interventions

Journal of Medical Robotics Research (JMRR) seeks articles for a Special Issue on Image-guided Intelligent Interventions. There has been significant research in the past few years on integrating multimodal image-guidance with intelligent instrumentation and robotics to provide context-specific information to the interventionalist while improving the precision and accuracy of the procedures. We are now at a point where such intelligent image-guidance is becoming a reality. The goal of this special issue is to highlight the technical and clinical challenges in designing and developing systems and algorithms for enabling image-guided intelligent interventions.

### Aims and Scope

Some of the topics of the special issue include:

1. Image-guided Robotics
2. Image-based planning and targeting
3. Clinical workflow analysis
4. System integration — software framework including middleware, hardware/software interface, and communication protocol
5. Registration and calibration
6. Surgical Navigation
7. Image servoing and guidance
8. Sensor fusion
9. Machine learning and decision-systems
10. Novel real-time imaging
11. User experience
12. Validation
13. Clinical trials

Before submission, authors should carefully read over the journal's Author Guidelines, which are located at - <http://www.worldscientific.com/page/jmrr/submission-guidelines>.

Prospective authors should submit an electronic copy of their complete manuscript through the Editorial Manager at - <http://www.editorialmanager.com/jmrr/login.asp> according to the following timetable:

Manuscript Due: July 15, 2015

First Round of Reviews: September 15, 2015

Revisions Due: October 15, 2015

Manuscript Decisions: November 15, 2015

Publication Date: January 15, 2016

### **Special Issue Co-Editors**

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Please email the guest co-editors with the paper number and title after you have submitted the paper.