

# 5th International Workshop on Medical Imaging and Augmented Reality

# MIAR 2010

SEPTEMBER 19-20, 2010, BEIJING, CHINA



## Topics

Topics to be addressed in MIAR 2010 include, but not limited to:

- Medical Image Formation, Analysis, and Interpretation
- Augmented Reality and Visualization
- Computer Assisted Intervention, Interventional Imaging
- Image-guided Robotics , Image-guided Intervention
- Surgical Planning and Simulation
- Systematic Extra- and Intra-corporeal Imaging Modalities
- General Biological and Neuroscience Imaging Computing
- Patient Specific Modeling and Medical Image Understanding

## PURPOSE

Rapid technical advances in Medical Imaging, including its growing applications to drug, gene therapy, and invasive/interventional procedures, as well as a fusional development of the protein science, imaging modalities, and nano-technological devices, have attracted significant interests in recent years. This is motivated by the clinical and basic science research requirement of obtaining more detailed physiological and pathological information of the body for establishing localized genesis and progression of diseases. Current research is also motivated by the fact that medical imaging is increasingly moving from a primarily diagnostic modality towards a therapeutic and interventional aid, driven by streamlining the diagnostic and therapeutic processes for human diseases by means of imaging modalities and robotic assisted surgery.

The 5th International Workshop on Medical Imaging and Augmented Reality, MIAR 2010, will be held on September 19-20, 2010. The venue will be co-located with MICCAI 2010 at the [China National Convention Center](http://www.cncc.org.cn) (CNCC), Beijing, China. Details of conference venue, paper submission, registration, and previous MIAR meeting can be found at <http://www.miar.org/2010/>.

The aim of MIAR is to bring together researchers in computer vision, graphics, robotics, and medical imaging to present the state-of-the-art developments in this ever-growing research area. We also encourage a broad interpretation of the field: from macroscopic to molecular imaging, passing the information on to scientists and engineers to develop breakthrough therapeutics, diagnostics, and medical devices, which can then be seamlessly delivered back to patients. The meeting will consist of a single track of oral/poster presentations. Papers presenting original research in various research topics are being sought.

## SUBMISSION OF PAPERS

The MIAR 2010 proceedings will be published as a volume in the Springer Lecture Notes in Computer Science (LNCS) series. We invite electronic submissions for MIAR 2010 (LNCS style) of up to 8-page (up to 10-page) papers for oral or poster presentation. Papers will be reviewed by members of the program review committee and assessed for quality and best means of presentation.

## Important Dates

Deadline for submission of paper:	May 24, 2010
Notification of acceptance:	June 24, 2010
Submission of final accepted paper:	July 4, 2010
Deadline for early registration:	July 4, 2010
Workshop:	September 19-20, 2010

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