

4th International Workshop on Medical Imaging and Augmented Reality

MIAR 2008

AUGUST 1-2, 2008, THE UNIVERSITY OF TOKYO, TOKYO, JAPAN



Topics

Topics to be addressed in MIAR 2008 include, but not limited to:

- Medical Image Formation, Analysis, and Interpretation
- Augmented Reality and Visualization
 - Computer Assisted 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

MIAR
2008

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 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 4th International Workshop on Medical Imaging and Augmented Reality, MIAR 2008, will be held on August 1-2, 2008, at the University of Tokyo, Tokyo, Japan. Details of conference venue, paper submission, registration, and previous MIAR meeting can be found at <http://www.miar.org/2008/>.

The meeting will consist of a single track of oral/poster presentations, with each session led by an invited lecture from our distinguished international faculty members. Papers presenting original research in various research topics are being sought.

SUBMISSION OF PAPERS

The MIAR 2008 proceedings will be published as a volume in the Springer Lecture Notes in Computer Science (LNCS) series. We invite electronic submissions for MIAR 2008 (LNCS style) of 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.

 Springer

Lecture Notes in
Computer Science
LNCS LNBI LNBI

Important Dates

Deadline for submission of paper:	February 8, 2008
Notification of acceptance:	April 11, 2008
Submission of final accepted paper:	May 2, 2008
Deadline for early registration:	May 2, 2008
Workshop:	August 1-2, 2008



<http://www.miar.org/2008/>

