

Call For Papers

3rd International Workshop on Machine Learning in Medical Imaging (MLMI 2012)

In conjunction with MICCAI 2012, October 1, 2012, Nice, France
Welcome to visit <http://miccai-mlmi.uchicago.edu/>

Introduction

Machine Learning in Medical Imaging (MLMI) 2012 is the third in a series of workshops on this topic, being held with MICCAI 2012 in Nice, France. This workshop focuses on major trends and challenges in this area, and it presents work aimed to identify new cutting-edge techniques and their use in medical imaging. Our goal is to help advance the scientific research within the broad field of machine learning in medical imaging. The technical program will consist of previously unpublished, contributed papers, with substantial time allocated to discussion. We are looking for original, high-quality submissions on innovative research and development in the analysis of medical image data using machine learning techniques.

Key Dates

- Paper Submission: **June 17, 2012**
- Notification of Acceptance: **July 6, 2012**
- Camera-ready Version: **July 24, 2012**
- Workshop: **October 1, 2012**

Paper Submission

- Papers are limited to eight pages. Papers should be formatted in Springer LNCS style
- MLMI reviewing is double blind

Highlights

- Proceedings will be published in **Springer Lecture Notes in Computer Science** (LNCS) (EI, ISTP indexed)
- The **MLMI 2012 Best Paper Award** will be presented to the best overall scientific paper
- Accepted papers will be invited to submit to a special issue of a peer-reviewed journal.

Topics of interests

Machine learning methods with their applications to

- Medical image analysis of anatomical structures and lesions
- Computer-aided detection/diagnosis
- Multi-modality fusion for diagnosis, image analysis and image guided interventions
- Image reconstruction
- Image retrieval
- Cellular image analysis
- Molecular/pathologic image analysis
- Dynamic, functional, physiologic, and anatomic imaging

Organizers

- Fei Wang (IBM Almaden Research Center)
- Dinggang Shen (UNC-Chapel Hill)
- Pingkun Yan (Chinese Academy of Sciences)
- Kenji Suzuki (University of Chicago)

