



3rd MICCAI Workshop on Clinical Image-based Procedures: Translational Research in Medical Imaging

CLIP 2014 September 14th, 2014, Boston, USA



Scope

The outstanding proliferation of medical image applications has created a need for greater study and scrutiny of the clinical application and validation of such methods. New strategies are essential to ensure a smooth and effective translation of computational image-based techniques into the clinic. For these reasons CLIP 2014's major focus is on **translational research** filling the gaps between basic science and clinical applications. A highlight of the workshop is the subject of **strategies for personalized medicine** to enhance diagnosis, treatment and interventions. Authors are encouraged to submit work centered on specific clinical applications, including techniques and procedures based on comprehensive clinical image data. Submissions related to applications already in use and evaluated by clinical users are particularly encouraged. The event will bring together world-class specialists to present ways to strengthen links between computer scientists and engineers, and clinicians.

Topics

- Strategies for patient-specific and anatomical modeling to support planning and interventions
- Clinical studies employing advanced image-guided methods
- Clinical translation and validation of image-guided systems
- Current challenges and emerging techniques in image-based procedures
- Identification of parameters and error analysis in image-based procedures
- Multimodal image integration for modeling, planning and guidance
- Clinical applications in open and minimally invasive procedures

Keynotes

- **Prof. Dr. Pedro del Nido**,
(Harvard Medical School, Boston Children's Hospital, USA) *"Minimally-invasive robotic surgery on the beating heart"*
- **Prof. Dr. Thomas Bortfeld**,
(Harvard Medical School, Massachusetts General Hospital, USA) *"Radiation Oncology"*

Submissions due

June 15th www.miccai-clip.org

Accepted and presented 8-page papers will be published by Springer as part of:

