



MICCAI Workshop on Clinical Image-based Procedures: From Planning to Intervention

CLIP 2012 October 5th, 2012, Nice, France



Scope

There has been considerable interest over the last years in the development and evaluation of new translational techniques for clinical image-based planning and interventions at the cutting edge of modern procedures in the hospital. This workshop aims to fill the gap between basic science and clinical applications by focusing on the clinical translations of state-of-the-art methods with a special emphasis on image-based planning and interventions.

Topics

- Challenges and emerging techniques in image-based procedures
- Clinical translation of image-based techniques for planning and intervention
- Error analysis in image-based procedures
- Navigation and tracking: tool tracking, organ tracking, and tumor tracking
- Computational anatomy and image analysis: modeling, segmentation, simulation
- Personalization of patient models to support interventions
- Inter- and intra-modality registration
- Visualization for operation planning
- Multimodal image-based planning and guidance
- Clinical applications in open and minimally invasive surgery
- Clinical validation of image-guided systems

Keynotes

- **Dr. Bradford J. Wood**,
NIH Clinical Center, USA
- **Prof. Dr. Reto Bale**,
Medical University Innsbruck, Austria

Submissions due

June 8th

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



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