

MICCAI Workshop on

Computer Vision for Intravascular and Intracardiac Imaging

CVII 2006

October 6, 2006

Copenhagen, Denmark

<http://www.miccai2006.dk/>



General Chair : Gozde Unal (Siemens Corporate Research)

Program Chairs: Ioannis Kakadiaris (University of Houston)

Greg Slabaugh (Siemens Corporate Research)

Allen Tannenbaum (Georgia Institute of Technology)

Important Dates:

June 30, 2006 - Paper Submission

August 4, 2006 - Notification to Authors

August 18, 2006 - Camera-ready Papers due

* The aim of this workshop is to bring together researchers in the field of Intravascular and Intracardiac (II) Imaging and present state-of-the-art techniques in computer vision and image processing of II images.

* Relevant topics for the workshop include (but are not limited to):

- Atherosclerotic plaque image analysis and characterization
- Quantification of vascular morphology and function
- Tissue classification of intravascular images
- Computer-aided diagnosis of vascular disease
- Segmentation and anatomic modeling from IVUS, OCT, IVMR
- Image-based biomechanical models of vascular anatomy and function
- Registration of intravascular images
- Image processing methods for intra-vascular/cardiac contrast agent applications
- Hemodynamic image-based modeling
- Percutaneous imaging/intervention, including IVUS, OCT, IVMR, microCT.

* A special issue on selected and extended workshop papers will be published in *IEEE Transactions on Information Technology in Biomedicine*.

* Invited Speakers:

- Milan Sonka (University of Iowa)
- Stephane Carlier (Columbia University-CRF).

* Program Committee:

- E. Atalar (Johns Hopkins University)
- G. Cloutier (University of Montreal)
- J. Dijkstra (Leiden University)
- T. Gustavsson (Chalmers University of Technology)
- P. Radeva (Universitat Autònoma de Barcelona)
- J.H.C. Reiber (Leiden University)

* Workshop website www.scr.siemens.com/cvii/, email gozde.unal@siemens.com