Workshop Organizers
Gocde Unal, PhD, Sabanci University
Ioannis A. Kakadiaris, PhD, University of Houston
Nassir Navab, PhD, Technical University of Munich
Milan Sonka, PhD, University of Iowa

Invited Speakers
Stephane Carlier, MD, PhD, Cordis, Johnson & Johnson, Belgium
Johannes Rieber, MD, Poliklinik Ludwig-Maximilian University, Siemens, Germany

Program Committee
Jolanda Wentzel, PhD, Erasmus MC, Netherlands
Andreas Wahle, PhD, University of Iowa, USA
Guy Cloutier, PhD, University of Montreal, Canada
Petia Radeva, PhD, Universitat Autonna de Barcelona, Spain
J.H.C. Reiber, PhD, Leiden University, Netherlands
Jouke Dijkstra, PhD, Leiden University, Netherlands
Ayutl Ercil, PhD, Sabanci University, Turkey

Coordination Assistant
Olivier Pauly, PhD student, Technical University of Munich, Germany
Workshop Program

8:45 - 9:00 Registration
9:00 - 9:10 Introduction and welcome

9:10 - 10:10 Session 1
1. Quantification of Vessel Wall Motion in IVUS Pull-backs With Dense Optical Flow, Mike G. Danilouchkin, F. Mastik, A.F.W. van der Steen
2. Harmonic Mapping for Flatening of Aneuyism Surfaces, Ashraf Mohamed, Liang-Der Jou, Chenyang Xu, Michel E Mawad

10:15 - 10:30
Carotid Elastography, Dr. Robert Bard, NY Med College

10:30 - 10:45 Coffee Break

10:55 - 11:55 Invited Speaker 1: Johannes Rieker, LMU, Germany
Title: “Invasive and non-invasive coronary imaging: trends and future applications”

12:00 - 1:00 Lunch

1:00 - 2:00 Session 2
1. Automatic Sert Implant Follow-up in Intravascular Optical Coherence Tomography Images, S. Gurmeren, G. Unal, S. Carter, Y. Yang, G. Sabauagh

2:00 - 3:00 Invited Speaker 2: Stephane Carlier, Cordis Corporation, Belgium
Title: “Intravascular imaging: from ultrasound to optical coherence tomography”

3:00 - 4:00 Session 3
2. Segmentation of Intravascular Ultrasound Images using Graph Search and a Novel Cost Function, Richard W. Downe, Andreas Wahl, Tomas Kovarik, Hans Skalika, John J. Lopez, Jan Horak, Milos Sonka
3. 3-D Symbolic Reconstruction of Coronory Artery Tree from Multiple Views of Rotational X-Ray Angiography, Rui Luo, Yiyong Sun, Luc Duong, Chenyang Xu

4:00 - 4:15 Coffee Break

4:15 - 5:15 Short Orals Session
1. IVUS elastography of complex human coronary plaques treated by directional atherectomy: Technical issues and preliminary clinical results, Jérémie Fromageau, Yoshifumi Sajio, Roch Listz Maurice, Marie-Eléne Roy Cardinal, and Guy Cloutier
2. Multiscale Optimization for the Fast-Marching Segmentation of Three-Dimensional Intravascular Ultrasound Images, Marie-Eléne Roy Cardinal, Gilles Soulez, Jean-Claude Tarab, Jean Meunier, and Guy Cloutier
3. One-Class Acoustic Characterization Applied to Contrast Agent Detection in IVUS, E. Gerardo Mendizabal Ruit and Ioannis A. Kakadiaris
4. A Heart-Centered Coordinate System for the Detection of Coronary Artery Zones in Non-Contrast Computed Tomography Data, Georg Brunner, Deepak R. Chittajallu, Uday Kurkure, and Ioannis A. Kakadiaris
5. Removal of bone information in dual energy CT, Lei Zheng, Dmitry Naksimov, Susanne Jochum, Carolin Wemmann, Stefan Dietl and Jurgen Hess
6. Improved Rigid Registration of Vessel Structures using the Fast Radial Symmetry Transform, Carlo Gatta, Oriol Pajol, Oriol Rodriguez Leor, Josepa Muri Ferre, and Petia Radeva

CLOSING