MONDAY, OCTOBER 1, 2012

Oral Session 2 (Chair: Su-Lin Lee)

4:30 PM – 4:45 PM Model-based Postoperative Modeling of Stent-Based Devices from CT: Application to TAVI
I. Voigt, E. Assoumou Mengue, R. Ionasec, T. Mansi, B. Georgescu, J. Hornegger and D. Comaniciu

4:45 PM – 5:00 PM Landmark-based registration of OCT image sequences for the follow-up of stent coverage and apposition
L. Sarry, R. Dumas, F. Dubuisson, E. Péry, N. Combaret and P. Motreff

PANEL DISCUSSION

5:00 PM – 5:25 PM Panel Members: tba
Moderation: Stefanie Demirci

5:25 PM – 5:30 PM Final Remarks

Schedule MICCAI-STENT'12

1st MICCAI-Workshop on Computer Assisted Stenting

MONDAY, OCTOBER 1, 2012

2:00 PM – 2:05 PM Welcome and Introductory Remarks

PLENARY CLINICAL

2:05 PM - 2:45 PM "Clinical Challenges for Computer Assistance During Stenting Procedures"
Dr. med. Reza Ghotbi, Head of Vascular Surgery Department, Klinikum Muenchen Pasing, Germany

Poster Session (Chair: Petia Radeva)

2:45 PM – 2:57 PM 1-minute Poster Teasers

2:57 PM – 3:30 PM Poster Discussions

P1 Semi-automatic Measurement of Vessel Wall Support from Implanted Stents in IVOCT Image Sequences
A. Wang, J. Eggermont, N. Dekker, J. H. C. Reiber and J. Dijkstra

P2 Virtual deployment of pipeline flow diverters
L. Flórez-Valencia, E. E. Dávila Serrano, J. G. Riveros Reyes, O. Bernard, J. Latt, O. Malaspinas, B. Chopard, G. Courbebaisse and M. Orkisz

P3 Fast Segmentation of Abdominal Aortic Aneurysms for Endovascular Repair Planning and Follow-up
I. Macia, M. Arenas, J. Haitz Legarreta, I. Robin, M. Graña and S. Rajasekharan

MONDAY, OCTOBER 1, 2012

P4 Rapid Prototyping of Silicone-based Phantom Models for Stent Simulation Validation
C. Russ, M. Gessat, G. Szekely and V. Falk

P5 Motion Adapted Catheter Navigation with Real-Time Instantiation and Improved Visualisation
S.-L. Lee, K.-W. Kwok, L. Wang, C. Riga, C. Bicknell and G.-Z. Yang

P6 Role of 3D/3D and 2D/3D Registration in Computer Assisted Stenting Procedures
G. Chintalapani and P. Chinnadurai

P7 Computational Methods of Modeling Stent Deployment in the Coronary Artery
N. Filipovic, D. Nikolic, Z. Milosevic, T. Exarchos, D. I Fotiadis and O. Parodi

P8 2D+t/3D+t CTA-XA registration using population-based motion estimates
N. Baka, C. Metz, C: Schultz, L. Neefjes, R. J. van Geuns, B. P.F. Lelieveldt, W. Niessen, M. de Bruijne and T. van Walsum

P9 Multi-image based stent visibility enhancement
Y. Chen, Y. Zhu, T.-C. Chang and T. Fang

P10 Intracranial stent visualization for image guided interventions and therapy
D. Ruijters, P. van de Haar, R. Roijers, N. J. Noordhoek, J. Timmer and D. Babic

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P11 Reconstruction of Stent Induced Loading Forces on the Aortic Valve Complex
R. Hopf, M. Gessat, V. Falk and E. Mazza

P12 Stent Strut Detection by Classifying a Wide Set of IVUS Features
R. Hua, O. Pujol, F. Ciompi, M. Alberti, S. Balocco, F. Mauri and P. Radeva

3:30 PM – 4:00 PM Coffee Break

Oral Session 1 (Chair: Gozde Unal)

4:00 PM – 4:15 PM Influence of vascular morphology on hemodynamic changes after flow diverter placement in saccular intracranial aneurysms
I. Larrabide, A. J Geers, M. L. Aguilar, H. G. Morales, D. A. Rufenacht and A. Frangi

4:15 PM – 4:30 PM Towards Predicting the Effects of Stent-Grafting on the Motion of the Thoracic Aorta
E. Schwartz, J. Holfeld, M. Czerny, C. Loewe and G. Langs