



Friday

Friday

7:00 - 8:30

Breakfast

8:45 - 10:00

Session V

Session Chair: Christian Wachinger
Athanasios Karamalis

GPU Finite-Difference Time-Domain Ultrasound Image Simulation

Kurt Höller

Endoscopic Image Rectification in Natural Orifice Transluminal Endoscopic Surgery

Tobias Reichl

New approaches to navigation for transbronchial interventions

10:10 - 10:35

Coffee Break

10:40 - 11:55

Session VI

Session Chair: Marcus Prümmer

Dieter Hahn

Statistical medical image registration

Volker Daum

Model Constrained Nonrigid Registration

Ben Glocker

Towards ultimate optimization?

12:00 - 13:00

Lunch

13:30

Bus Departure

approximate arrival in Munich around 15:00 - 16:00

Pattern Recognition Lab (LME)

Since its foundation in 1975 until Sep. 2005, Professor Dr.-Ing. Heinrich Niemann held the Chair; since Oct. 2005, Prof. Dr.-Ing. Joachim Hornegger is head of the chair. The main work of the chair lies on the development and implementation of algorithms to classify and analyze patterns.

<http://www5.informatik.uni-erlangen.de/>

Chair of Computer Aided Medical Procedures (CAMP)

Created on 15th of October 2003 under the direction of Professor Dr. Nassir Navab, the chair has the main objective of playing the role of a strong research and educational link between medical and computer science communities.

<http://campar.in.tum.de/WebHome>

Workshop on Advanced Imaging and Pattern Recognition

Regensburg, 25.11.2009 - 27.11.2009



Pattern Recognition Lab (LME)



Chair of Computer Aided Medical Procedures (CAMP)

Friedrich-Alexander-Universität
Erlangen-Nürnberg



TUM

Technische Universität München



Wednesday

Wednesday - Thursday

Thursday

Program

Wednesday

10:30 - 10:40	Opening Session Welcome by Nassir Navab
10:45 - 11:20	Personal Introductions Getting to know each other
11:25 - 12:25	Opening Talks Prof. Joachim Hornegger Prof. Nassir Navab
12:30 - 13:30	Lunch
13:50 - 15:30	Session I Session Chair: Slobodan Ilic Peter Sturm <i>Photoconsistency Optimization in Multi-View Stereo</i> Stefan Holzer <i>Online Adaption of Template Size for Real-Time Tracking</i> Loren Schwarz <i>Discriminative human full-body pose estimation from wearable inertial sensor data</i>
15:40 - 16:10	Coffee Break

16:20 - 18:00	Session II Session Chair: Rüdiger Bock Markus Mayer <i>Retinal Nerve Fiber Layer Segmentation on OCT Images: Challenges and Solutions</i> Ahmed El-Rafei <i>Automated identification and analysis of the optic radiation in Glaucoma patients using DTI</i> Florian Jäger <i>Computer-Aided Assessment of Scoliotic Spine</i> Dime Vitanovski <i>Personalized Pulmonary Trunk Modeling for Intervention Planning and Valve Assessment Estimated from CT and MRI Data</i>
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19:00	Dinner
20:30 - 21:30	Music Concert

Thursday

7:00 - 8:15	Breakfast
8:30 - 10:10	Session III Session Chair: Martin Spiegel Wilhelm Haas <i>PHACT - Phase Contrast Tomography</i> Michael Balda <i>Quantitative CT with Local Spectral Reconstruction</i>

	Christopher Rohkohl <i>Non-Periodic Affine Motion Estimation and Compensation for Gated Cardiac Vasculature Reconstruction</i> Andreas Keil <i>Cardiac 4D Reconstruction - Latest Results</i>
10:15 - 10:40	Coffee Break
10:45 - 12:00	Session IV Session Chair: Christopher Bichmeier Nassir Navab <i>Short State of Progress in Medical Augmented Reality</i> Tobias Blum <i>An Augmented Reality Simulator for Training Ultrasound Skills</i> Stuart Holdstock <i>Using Augmented Reality for Port Placement in Minimally Invasive Surgery</i>
12:00	Lunch
Afternoon	Social Activities
16:30 - 18:00	Soccer Game CAMP vs. LME
19:30	Medieval Dinner <i>Did you wash your hands?</i>