

Fachprogramm - Studierendentagung 2013

13. März 2013			
08:00	08:30	<i>Registrierung der Teilnehmer</i>	
08:30	08:50	<i>Begrüßung der Teilnehmer Herr Prof. Dr. P. Dominiak - Universität zu Lübeck, Herr Dr. H. Habeck - Norgenta GmbH</i>	
08:50	09:50	<i>Segmentation and Registration I (Prof. Dr. A. Mertins)</i>	
08:50	09:05	01	Segmentation of Anatomical Structures using Statistical Shape Models based on Level Sets M. Schaar
09:05	09:20	02	Development and evaluation of a tool for the generation of probabilistic expert segmentations C. Steinberg
09:20	09:35	03	ASM-based segmentation of the middle phalanx in digital radiographic images of the hand G. Kabelitz
09:35	09:50	04	Multiple Sclerosis Lesion Segmentation Using Dictionary Learning and Sparse Coding N. Weiss
09:50	10:55	<i>Postersession (01-09) und Industrieausstellung</i>	
10:55	12:10	<i>Segmentation and Registration II (Prof. Dr. H. Handels)</i>	
10:55	11:10	05	Lung Fissure Detection Using a Line Enhancing Filter H. Wendland
11:10	11:25	06	Joint Non-Linear Registration and Level Set Segmentation of the Left Ventricle in 4D MR Image Data T. Kepp
11:25	11:40	07	Accelerated Diffeomorphic Non-Rigid 2D Image Registration Using Stokes Regularization F. Tramnitzke
11:40	11:55	08	Optimization of the Detection Performance of Förstner-Rohr-type Operators in Abdominal and Thoracic Tomographic Image Data C. Duscha
11:55	12:10	09	Medical Image Registration using the Locally Normalized Cross-Correlation: Application to Multiple Sclerosis Brain MRI A. Cordes
12:10	13:10	<i>Mittagspause und Industrieausstellung</i>	
13:10	14:25	<i>Biomedical Optics I (Dr. R. Brinkmann)</i>	
13:10	13:25	10	Comparison of two setups to improve the performance of an open-path gas detector regarding optical misalignment G. Fischer
13:25	13:40	11	Characterization of an Electronic Speckle Pattern Detection System A. van Oepen
13:40	13:55	12	Analysis of a diode-pumped Pr ³⁺ : LiYF ₄ crystal in a linear resonator P. von Brunn
13:55	14:10	13	Mid-infrared laser spectroscopy using a tunable gain-switched Cr ²⁺ : ZnSe laser M. Evers
14:10	14:25	14	Design and development of a miniaturized scanning probe L. M. Wurster
14:25	15:40	<i>Postersession (10-20) und Industrieausstellung</i>	
15:40	17:10	<i>Biomedical Optics I (Prof. Dr. A. Vogel)</i>	
15:40	15:55	15	Stray light rejection by structured illumination P. K. Fink
15:55	16:10	16	Temperature induced tissue deformation monitored by dynamic speckle interferometry K. Bliedner
16:10	16:25	17	Speckle variance optical coherence tomography for imaging microcirculation D. Klawitter
16:25	16:40	18	Polarization-sensitive optical coherence tomography on different tissues samples for tumor discrimination F. Fleischhauer
16:40	16:55	19	An approach to increase the speed of Optical Coherence Tomography using a Virtually Imaged Phased Array H. Sudkamp
16:55	17:10	20	Broadband spectral domain optical coherence tomography J. Pavlita
17:10	17:40	<i>Kaffeepause und Industrieausstellung</i>	
17:40	18:40	<i>Karrierewege in den Life Sciences Mitarbeiter/innen von Möller-Wedel, Dräger und HotSwap berichten über ihre Erfahrungen</i>	
18:40		<i>Get-together</i>	

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14. März 2013			
08:30	09:00	<i>Registrierung der Teilnehmer</i>	
09:00	10:00	<i>Micro- and Nanotechnology (Dr. K. Lüdtké-Buzug)</i>	
09:00	09:15	21	Development and evaluation of a manufacturing technology for an efficient production of polymer foils for active implants
			L. Borchert
09:15	09:30	22	Fluorescence Photometric Detection of Europium-doped Citrate Coated Iron Oxide Magnetic Nanoparticles (Eu-C-MNP)
			U. Kalapis
09:30	09:45	23	Investigation of different tissue samples with Micro-CT and MPS for determination of iron oxide concentration in tracers for MPI
			L. Aulmann
09:45	10:00	24	Characterization of absorption properties of upconversion nanoparticles in the high intensity regime
			F. Nguyen
10:00	10:55	<i>Postersession (21-29) und Industrieausstellung</i>	
10:55	12:10	<i>Imaging and Image Computing (Prof. Dr. H. Botterweck)</i>	
10:55	11:10	25	Feature analysis for Parkinson's disease diagnostics in 3D transcranial sonography volumes
			N. Traulsen
11:10	11:25	26	Stationary and semi-stationary acquisition in small animal multi-pinhole SPECT: impact on spatial resolution, noise propagation and image quality
			C. Lange
11:25	11:40	27	VAMIR - Visual Analytics for Medical Image Retrieval: Preliminary Study on PET-CT data
			F. Nette
11:40	11:55	28	Object recognition in clinical use
			D. Münster
11:55	12:10	29	Applying Texture Features to Cell Classification
			C. Kluck
12:10	13:10	<i>Mittagspause und Industrieausstellung</i>	
13:10	14:25	<i>Biomedical Engineering I (Prof. Dr. E. Barth)</i>	
13:10	13:25	30	Usability testing of the EUROLabLiquidHandler
			L. Rudolph
13:25	13:40	31	Analysis of an Oral Fluid Drug Testing Device
			A. Meffert
13:40	13:55	32	Risk management of new liposuction cannulas
			C. Berg
13:55	14:10	33	Modulation of cortical oscillations in vitro through DC electric field stimulation
			J. F. Weinert
14:10	14:25	34	Development of a six-axis force/torque sensor with a non-linear calibration as a medical safety device
			I. Kuhlemann
14:25	15:25	<i>Postersession (30-39) und Industrieausstellung</i>	
15:25	16:40	<i>Biomedical Engineering II (Prof. Dr. R. Birngruber)</i>	
15:25	15:40	35	Acquisition of index fingertip time-resolved optical transmission
			Z. Janicijevic
15:40	15:55	36	Graphical tool for target selection and live target tracking for ultrasound
			F. Bien
15:55	16:10	37	Design of a Graphical User Interface used to assess the visual attention behaviour of upper limb prosthesis users
			D. Ewert
16:10	16:25	38	Concept for a multi product steering board for the life circle engineering
			R. F. Knobloch
16:25	16:40	39	Synchronization Likelihood as Measure of Brain Connectivity During Visual Perception
			F. Guth
16:40	17:10	<i>Kaffeepause und Industrieausstellung</i>	
17:10	18:00	<i>Preisverleihung und Verabschiedung (Prof. Dr. T. Buzug)</i>	
17:10	17:20	<i>Grußwort Staatssekretär (R. Müller-Beck)</i>	
17:20	18:00	<i>Preisverleihung</i>	