

## Scientific Program

Wednesday, March, 12, 2015

Session	Poster	Startzeit	Name	Titel
Registrierung		09:00		Registrierung
Begrüßung		10:00		Begrüßung
Biomedical Optics I	1	10:20	Iris Ellerkamp	Anterior segment Doppler optical coherence tomography
	2	10:22	Clara Pfäffle	Characterization of a micro machined deformable membrane mirror using optical coherence tomography
	3	10:24	Janka Schwarzer	Setup implementation for optical measurements of refractive index changes inside of bovine lenses
	4	10:26	Alexander Shpychak	Optically Monitored Selective Laser Trabeculoplasty
Biomedical Optics II	5	10:29	Benedikt Schmarbeck	Development of standardized tissue phantoms for evaluation of Holographic Photoacoustic Tomography
	6	10:31	Georg Vogel	Investigation of the influence of pulse variations on photoacoustic response and damage thresholds for laser induced bubble formation at the fundus of the human eye
	7	10:33	Annekatriin Pahl	Development of a new, non-invasive, laser-assisted experimental model for Fuchs Endothelial Dystrophy
	8	10:35	Olga Ragulina	FT-IR investigation of the nonlinear optical crystal CLBO
Biochemical Physics	9	10:38	Saleh Ali Abedi	LED-based Illumination Set-up for in vitro Photodynamic Therapy
	10	10:40	Hendrik Müller	Construction and implementation of a simple stopped-flow apparatus for the investigation of rapid kinetics using confocal fluorescence microscopy
	11	10:42	Stephanie Adler	Fluorescence Properties and Cytotoxicity of Nanoparticle-Based Ratiometric Fluorescent Thermometer on RPE Cells
	12	10:44	Christoph Treig	Comparative study of the gamma-spectrometers
	13	10:46	Enno König	Re-setup of a nitrogen cooled Ge-detector in combination with a Canberra multi-channel analyzer for determination of terrestrial radiation sources
Pause	0	10:48	Pause	Pause
Workshop Patente I	0	11:00	Dr. Torsten Stachelhaus	Workshop "Grundlagen der Patentierung"
Pause	0	11:45	Pause	Pause
Biomedical Engineering	14	12:00	Natalie Blimke	Dispersion of a bead suspension into small vessels
	15	12:02	Georg Männel	Simulation of torque acting on a joint of an exoskeleton for stroke rehabilitation
	16	12:04	David Prox	Determination of Measurement Characteristics of a Sensor for Blood Leakage in Hemodialysis
	17	12:06	Renate Holzhaue	Feasibility study - Checking if and which valve system is usable to control a pressure controlled valve from a breathing machine
Safety and Quality I	18	12:09	Marko Seiler	Investigation of the APICA ASC device for the delivery of mitral valve therapies
	19	12:11	Falk Mummert	Technical reequipping and restructuring of endoscopic department at the hospital Demmin
	20	12:13	Jule Grit Grimm	Developing a procedure to test the compatibility of flexible endoscopes with an Endo-Thermo-Disinfector (ETD)
	21	12:15	Janine Markmann	Development of a level indicator for process chemicals of an automated endoscopy reprocessor
	22	12:17	Mandy Zehlke	Developing a Type Test for the Contamination-Monitor with Gamma Detectors with Focus on Detector Homogeneity - For Four Different Nuclides -
Safety and Quality II	23	12:20	Max Fischer	Development of a luminous field measurement station and comparison of a consumer LED headlight and a HEINE(R) LED LoupeLight
	24	12:22	Frederike Strahwald	Temperature dependencies in surgical lights - investigation and compensation concept
	25	12:24	Gesa Maltzen	Risk Management Report for Medical Ceiling Supply Units in IBM Rational DOORS
	26	12:26	Roosbeh Saraei	Analysis of field of Application for Coordinate Measuring Machines in the Medicine especially in the Osteosurgery and Dentalsurgery
Lunch Break	0	12:28	Pause	Lunch Break

Gruppenfoto	0	13:30	Foto	Gruppenfoto
Stryker Trauma GmbH	0	13:45	Stryker Trauma GmbH	Unternehmenspräsentation Stryker Trauma GmbH
Medical Imaging	27	14:00	Helena Tronnier	Method to measure migration of a percutaneous nerve evaluation (PNE) leads
	28	14:02	Andre Schu	The measurement of the peak kilovoltage across microfocus X-ray tubes by using K-shell radiation and K-shell absorption
	29	14:04	Schonlatis Ariyamitr	Analyzing the Impact of Different Path Termination Conditions in a Probabilistic Fiber Tracking Algorithm
	30	14:06	Stefan Malterer	Measurement and analysis of the respiration-driven motion of the pulmonary artery
	31	14:08	Jonas Ortmüller	Respiratory Surface Motion Measurement by Microsoft Kinect Implementation and Evaluation of a clinical Setup
Signal Processing I	32	14:11	Manuel Scheuermann	Single-trial variability of non-invasively recorded high-frequency somatosensory evoked potentials
	33	14:13	Jan Diesing	Evaluation of a Skin-to-Electrode Impedance Measuring System
	34	14:15	Andrea Lanfermann	Quantitative evaluation of online signal processing for fMRI-based neurofeedback
	35	14:17	Christian Clauß	Different k-Space Sampling Sequences for MR Image Reconstruction with Blind Sparse Motion Estimation
	36	14:19	Fabrice Katzberg	Exploiting Sparsity Property of the Plenacoustic Function for Compressive Sensing
Signal Processing II	37	14:22	Viktor Haase	Robust Pattern Recognition of Hand Movement with Mutli-Channel Surface EMG Using Random Forest
	38	14:24	Tim Parbs	Noise Cancellation using Room Equalization Filters
	39	14:26	Michael Melchger	Receive Chain Noise Matching For Magnetic Particle Imaging
	40	14:28	Patryk Szwargulski	Experimental Evaluation of Different Weighting Schemes in Magnetic Particle Imaging Reconstruction
Pause	0	14:30	Pause	Pause
Workshop Patente II	0	14:40	Dr. Torsten Stachelhaus	Workshop "Grundlagen der Patentierung"
Pause	0	15:25	Pause	Pause
Architektur	101	15:35	Ann-Kathrin Kann, Talita Kühl, Christian Scheper	"TREE OF LIFE REHA" - Symbiose aus Gestaltung und Effizienz
Architektur	102	15:40	Ann-Kathrin Kann für Weina Wang	"Typologie und Prozess" - Entwicklung von Pflegestrukturen mit Hilfe von Prozesssimulationen
Image Processing I	41	15:45	Christian Bollmeyer	Comparison and Performance Evaluation of Indoor Localization Algorithms based on an Error Model for an Optical System
	42	15:47	Jannis Hagenah	A machine learning approach for planning valve-sparing aortic root reconstruction
	43	15:49	Svenja Lüth	Edge-preserving ring artifact correction for CT imaging
	44	15:51	Martin Meike	Fully Automated Camera Calibration for X-ray Inspection and Computed Tomography Systems
	45	15:53	Marius Duchrow	Analysis of an Automatically Computed Abstraction Parameter in Sketch-based Image Retrieval Using Angular-Radial Partitioning
Image Processing II	46	15:56	Frederike Sannmann	Performance of Förstner- and Rohr operators based on structure tensors versus Hessians
	47	15:58	Johanna Degen	Dimensionality reduction of multidimensional image descriptors for medical image registration
	48	16:00	Dennis Puls	An Efficient Implementation of an Affine Point-based Registration using the Expectation Maximization-ICP in C++
	49	16:02	Alexander Rüsck	Enabling on-demand features for Decision Forests
	50	16:04	Laszlo Friedmann	Ischemic Stroke Lesion Segmentation - Setup of a challenge -
Pause	0	16:06	Pause	Coffee Break und Jurysitzung
Posterpreisbegehung		16:20	Poster 1-5	Posterpreisbegehung Poster 1-5
Pause	0	16:50	Pause	Coffee Break
Get together	0	17:00	Get together	Get together Eröffnung