


Preliminary Rev.: 23.05.2017

Time / Room	Lecture Room:	
	Start	End
	 HOCHSCHULE RUHR WEST UNIVERSITY OF APPLIED SCIENCES INSTITUT MESS- UND SENSORTECHNIK	
	Building 6, Ground Floor, 06 EG HS4 (Hörsaal 4)	
8:30 06 EG Foyer	9:00	Registration and Handout of the Abstract Book
9:00 06 EG HS4	9:30	Welcome Addresses Prof. Dr. G. Stockmanns, President of the UAS Ruhr West, the IEEE IM Chapter Germany Section and the Organization Committee
9:30 06 EG HS4 Chair: Prof. Dr. Martin Reufer	10:30	1 Analysis of Intensity and Wavefront Structures of Diode Lasers – Spatial and Current depended Evolution Inga-Maria Eichertopf, Martin Reufer
		2 Development and application of optical sensors for remote, spatially resolved thermometry using thermographic phosphors Torsten Endres, Dominik Meller, Thomas Dreier, Christof Schulz
		3 Next generation diagnostics: Highly sensitive integrated CMOS photodiode sensor array for light absorption measurement Alexander Hofmann, Michael Meister
9:30 06 EG Foyer	10:45	Coffee Break, Networking with other Experts
10:45 06 EG HS4 Chair: Prof. Dr. Lothar Kempen	11:45	4 Development of a fiber-based Chemiluminescence sensor for harsh environments Simon Goers, Torsten Endres, Thomas Dreier, Christof Schulz
		5 Optically pumped organic lasers for microfluidic on-chip absorption spectroscopy Sebastian Morain, Christian Karnutsch, Jörg Knyrim, Martin Reufer
		6 Advancing laser-induced breakdown spectroscopy for multi-parameter concentration and temperature measurement Andrew P. Williamson and Johannes Kiefer
11:45	13:00	Lunch Break (Barbecue, Mensa, with costs)
13:00 06 EG HS4 Chair: Prof. Dr. Thomas		7 Automatically identification of pure rotational CARS spectra influenced by spatial averaging effects Christian Meißner, Thomas Seeger
		8 Diode laser-based standoff absorption measurement of water film thickness in retro-reflection Rongchao Pan, Carsten Brocksieper, Jay. B. Jeffries, Thomas Dreier,

08.06.2017

Preliminary Rev.: 23.05.2017

	Seeger		Christof Schulz
		14:20	9 Advanced combustion diagnostic in Diesel engines using emission spectroscopy Fabian Feldhaus, Ingo Schmitz, Thomas Seeger
		14:20	10 On-line thermography testing for friction stir welded joints Fedorov A.V. , Tkacheva N.V., Ashikhin D.S., Yakovlev Y. O., Kostyukhin A. S., Berkutov I.V.
	14:20 06 EG Foyer	14:35	Coffee Break, Networking with other Experts
	14:35 06 EG HS4		11 In-situ characterization of bulk goods using electrical capacitance tomography Alice Fischerauer, Christoph Kandlbinder, Gerhard Fischerauer
	Chair: Prof. Dr. Mart Min		12 Measuring and Optimizing Efficiency of electrostatic Energy Harvesters for Sensor Applications Bjoern Bieske, Gerrit Kropp, Alexander Rolapp
			13 Interface Circuit for Measurement of Small Capacitance Changes in Capacitive Sensor Ahmed Fendri, Olfa Kanoun, Hamadi Ghariani
		15:55	14 Adaptive power supply for self-sufficient measurement technology Mario Mösch, Gerhard Fischerauer
	15:55 06 EG Foyer	16:10	Coffee Break, Networking with other Experts
	16:10 06 EG HS4		15 Design of Energy Efficient Routing and Data Aggregation Protocol for Wireless Sensor Networks in Precision Agriculture Sabrine Khriji
	Chair: Prof. Dr. Aimé Lay Ekuakille		16 RSSI based clustering algorithm for wireless sensor network localization in large scale Dhouha El Houssaini, Sabrine Khriji, Kamel Besbes, Olfa Kanoun
		17:10	17 Research and development of methods for transmitting telemetry information about the status of the spacecraft's power system Dinara K. Toimbek
	17:30		Social Event Airship Hangar Airport Mülheim (cost free) and afterwards
		21:00	Optional Dinner (with costs) - Meeting Point Building 6 Ground Floor

Preliminary Rev.: 23.05.2017

09.06.2017	8:30 06 EG Foyer	8:45	Registration and Handout of the Abstract Book	
	8:45 06 EG HS4	9:00	Welcome Addresses Prof. Dr. H. Bolivar, Vice President Research University of Siegen	
	9:00 06 EG HS4		18 Sensing and Actuating Systems for Indoor Medical Gas Detection Aimé Lay Ekuakille	
	Chair: Dr. Jürgen Wahrburg			19 Design of instrument-mounted displays for on-line visualization of the instrument pose in surgical navigation Oliver Gieseler, Julio C. Alvarez-Gomez, Hubert Roth, Jürgen Wahrburg
				20 Development of a non-invasive bioimpedance sensing for the monitoring of aortic blood pressure curve Hip Kõiv, Mart Min
				21 High Voltage RF-Multiplexer for medical Applications Bjoern Bieske, Dagmar Kirsten
				22 Design of a Frequency and Magnitude Modulated Stimulus Generator for Glands Stimulation: Case Study on Scorpions Sameh Fakhfakh Ghribi, Rim Barioul, Riadh Ben Mansour, Nabil Derbel, Olfa Kanoun
	10:40 06 EG Foyer	10:55	Coffee Break, Networking with other Experts	
	10:55 06 EG HS4		23 Air flow estimation through the 3D natural model of nose Gennadij Lukjanov, Anna Rassadina, Aleksej Malyshev, Roman Neronov, Evgenija Oslopovskih	
	Chair: Prof. Dr. Olfa Kanoon			24 Implantable multi sensor system for hemodynamic controlling Jens Weidenmüller, Özgü Dogan, Alexander Stanitzki, Mario Baum, Tim Schröder, Dirk Wunsch, Michael Görtz, Anton Grabmaier
		11:55	25 Electronic embedded system for stair recognition Mouna Medhioub, Sonda Ammar Bouhamed, Imene Khanfir Kallel, Nabil Derbel, Olfa Kanoun	
11:55	13:00	Lunch Break (Barbecue, Mensa, with costs)		
13:00 06 EG HS4		26 Exposure Measurement Platform for Electromagnetic Field Monitoring and Epidemiological Research		

Preliminary Rev.: 23.05.2017

Chair: Prof. Dr. Klaus Thelen	13:40	Jürg Fröhlich
		27 Sensor properties of cellular membrane Alexander Mamykin, Michael Listov, Anna Rassadina
13:40 06 EG Foyer	13:45	Short Break
13:45 06 EG HS4 Chair: Prof. Dr. Frank Kreuder	15:05	28 Polarimetric Analyses of Scattered Radiation for Material Characterisation and Aerosol Classification Thorsten Schultze
		29 Gas phase detection in cryogenic liquids for space applications using capacitive sensors Christoph Kandlbinder, Alice Fischerauer, Gerhard Fischerauer
		30 Analysis of hardening times of two-component adhesives using terahertz time domain spectroscopy (THz-TDS) Frank Platte, Carsten Brenner, Peter Henselder, Christoph Fredebeul, Fabian Malert
		31 Two dimensional graphene for structural sensing on mechanical surfaces Volkan Yokaribas, Stefan Wagner, Max C. Lemme, Claus-Peter Fritzen
15:05 06 EG Foyer	15:20	Coffee Break, Networking with other Experts
15:20 06 EG HS4 Chair: Prof. Dr. Gennadij Lukjanov	17:00	32 Fluid composition sensor calibration Ilya Kovalskiy, Gennady Lukyanov, Sergei Volkov
		33 Contactless measurement of distributed permittivities in inhomogeneous materials Ronny Peter, Gerhard Fischerauer
		34 Application of the method of the dynamic indentation for control mechanical properties of composite materials Ilinskiy A., Stepanova K., and Kotovshchikov I.
		35 Temperature Measurement of an Object using Blackbody Radiation with Compensation of Impedance Mismatch Dawei Xu, Klaus Thelen, Jörg Himmel, Daniel Erni
		36 Research and development of method and system of measurement of displacement of the facilities control points taking into account external factors impact Dinara Shayakhmetkyzy, Aleksey V. Fedorov, Igor O. Krasnov

Preliminary Rev.: 23.05.2017

	17:00 06 EG HS4	17:15	Short Break, Concluding Discussion and Departing
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