



Poster-Session 1 (9:45 - 10:45)

Signal Processing	
64	<i>K. Lühring, G. Amorós-Figueras, J. Rosell-Ferrer</i> Electrical Bioimpedance Spectroscopy for the characterization of the tissular properties of the myocardium using a transcatheter method
127	<i>F. Jorczik, M. Eulers, A. Mertins</i> Speech Emotion Recognition Using wav2vec 2.0 Embeddings
49	<i>M. Aboeljereed</i> Fast and High-Resolution Synthetic Aperture Radar Mapping with a Multi-Radar System
114	<i>P. Petri, A. Yaqout, H. Hellbrück</i> Development of a Sensor Prototype for Monitoring Wireless Communication
Machine Learning / AI 3	
2	<i>M. Streppel, M. Henke, L. Omland</i> A Global Regulatory Landscape for AI-based Medical Devices – How to Convey and Address the Emerging Regulatory Landscape for AI Technology in Healthcare
113	<i>J. Richter</i> Comparative Study Of Different Explainable Artificial Intelligence Algorithms For A Customer Specific Natural Language Processing Model
84	<i>R. B. Zadeh, X. Huang, M. Grzegorzek, A. Witolla</i> Machine learning approaches on health insurance data to classify cases related to care grades: first pilot studies
28	<i>F. Dlugi</i> Benchmarking AI-Accelerators
29	<i>L. P. Scherf, O. Witt, J. Zauleck, L. Jablonski, M. Grzegorzek</i> Analysis of Blood Glucose Daily Patterns
Radio Technology and Locating	
43	<i>F. F. Okumus</i> Mavlink Based Communication Protocol Implementation
121	<i>N. Thom, S. O. Schmidt, H. Hellbrück</i> Development and evaluation of a localization system based on magnetic field measurements for identification of current carrying conductors
99	<i>B. Kampen, S. O. Schmidt, H. Hellbrück</i> Evaluation of Position Estimations for a Bluetooth Low Energy Angle-of-Arrival Localization System
128	<i>C. Revander, B. Sievers, H. Hellbrück</i> Adaptable, LIDAR based, mobile platform for performing localized indoor measurements
97	<i>M. Köppe, P. Bartmann</i> Demonstrating Side Effects of Digital Modulation and Demodulation in Educational Laboratories



Safety and Quality 2	
81	<i>F. Herrmann, M. Wendebourg, J. Kreuzer</i>
	Integration and Restructuring of Existing Requirements of an Emergency Ventilator into a Model-based Requirements Management System Using SysML
75	<i>F. Schmid, S. Milady</i>
	Influence of X-ray pulses on active electronic circuits
42	<i>I. Stephan, A. Schillert</i>
	Automated post-market surveillance of a microarray test system
56	<i>M. Tigre</i>
	Development and Implementation of Ground Control Station Functions for UAV Platforms
58	<i>P. Bukowski, I. Awada, F. Jacobsen</i>
	A Touchpad as Replacement for a Car's Steering Wheel Buttons For the Control of an Infotainment System
Image Processing 2	
110	<i>H. Eilers, M. Frischke</i>
	Methods for specular reflection reduction in eye images
57	<i>I. Müller, H. Hellbrück</i>
	Evaluation of an real-time object detector for traffic analysis
46	<i>O. Köken</i>
	Automatic Detection of Changed Depth Camera Pose for Indoor Applications
32	<i>P. Lüdemann, G. Kolb</i>
	An approach to create 3D-models with voxel carving for a 3D scanning setup
77	<i>P. T. Gangavarapu, N. T. Nguyen</i>
	Mapping and Navigation in agricultural fields using polytopes
Biomedical Optics 2	
25	<i>L. Zarbuch, J. Dinkel, N. Damm</i>
	Visualization of Intraocular Lenses Edge Roughness
90	<i>M. Thielking, F. Sommer, C. Stock, S. Karpf</i>
	Tomographic Flow Cytometry using SLIDE Two-Photon Microscopy
20	<i>N. Beutel, F. Wienhausen, D. Stroecker, N. Kowalczyk</i>
	Experimental determination of the quantum efficiency of CMOS cameras
82	<i>P. B. Wessling Intriago</i>
	Combination of a Liquid Lens as a 3D Imaging Method with an Endoscope
26	<i>R. M. Busch, K. Sowoidnich, L. S. Theurer, A. Müller, M. Maiwald, B. Sumpf</i>
	Shifted excitation Raman difference spectroscopy for the investigation of fluorescent animal bones