

Scientific Program  
Thursday March 11, 2021

Track A

Track B

9:00	<b>Dräger Spotlight Presentation (Session Hall)</b>	
9:15	<b>Scientific Session 3 (Session Hall)</b>	
	<b>Image Processing</b> Chair: Prof. Heinz Handels	<b>Safety and Quality</b> Chair: PD Dr. Hauke Paulsen
9:15	21 <i>Alexandra Jankowski, Philipp Kayser</i> Automated Camera-Based Laboratory Vessel Detection in a Carbon Dioxide Incubator	25 <i>Marc Freitag, Jinghua Groppe</i> Establishment of a Digitized Final and Cross Product Inspection in the Medical Industry
9:27	73 <i>Matthias Klatt, Alexander Fertig, Patrick Follmann, Niclas Bockelmann, Floris Ernst</i> Evaluating Interactive Segmentation Methods Across Domains – MVTEC ISB: A Novel Benchmark for Evaluating Interactive Segmentation Methods Across Domains –	28 <i>Friedrich Simon, Ann-Kristin Kock-Schoppenhauer, Hannes Ulrich, Martina Oberländer, Regina Maushagen, Friedemann Flügge, Josef Ingenerf</i> Provision of sensitive clinical and biobank data for research in compliance with data protection regulations
9:39	64 <i>Clara Thiede, Maximilian Wattenberg, Philipp Klein, Mareike Töpferwien</i> Evaluation of the SRM Algorithm of Siemens CERA for CT Half Beam Reconstruction	36 <i>Termeh Juyandeh, Naeimeh Razavirad</i> Market analysis of ENT Equipment – on the Iranian market–
9:51	52 <i>Steffen Hagedorn, Jens Dekarz</i> Sparse Normalized Local Binary Pattern – A Structure-Based Depth Measure –	11 <i>Till Wittenborg, Michael Voelker, Steffi Jannasch</i> Extend a Test Automation Framework with a Performance Logger
10:03	13 <i>Noah Heldt, Philipp Grüning, Falk Nette</i> Multi-Depth Segmentation on Holographic Data using CNNs	88 <i>Jan Dieker</i> Development and Evaluation of a digital shop floor board in an administrative quality department
10:15	84 <i>Moritz Kirschte, Esfandiar Mohammadi</i> DPHelmet: Pre-training on Public Data to Boost Differentially Private Machine Learning	
10:30	<b>Student Circuit 5 (Exhibition, Groups A, D)</b>	
10:45	<b>Student Circuit 6 (Exhibition, Group B )</b>	
11:00	<b>Student Circuit 7 (Exhibition, Group C)</b>	
11:15	<b>Postersession 3 (Poster Area) and 4-Eyes Appointments (Exhibition)</b>	
12:00	<b>Lunch Break and 4-Eyes Appointments (Exhibition)</b>	

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Track A

Track B

12:45	<b>Scientific Session 4 (Session Hall)</b>		
	<b>Machine Learning / AI</b> Chair: Prof. Mattias Heinrich		<b>E-Health, AI</b> Chair: Prof. Josef Ingenerf
12:45	75	<i>Jacqueline Ritter, Maximilian Dietrich Schwarzmann, Lennart Karstensen, Marcin Grzegorzek</i> Comparison of deep reinforcement learning algorithms for Catheter-based interventions	16 <i>Michael Lichtenhagen</i> Utilizing Embedded Deep Learning-based Object Detection for Visual Inspections of Medical Devices
12:57	42	<i>Eduard Buss, Heiko Hamann</i> Evolutionary computation towards adaptive gaits of legged robots	3 <i>Marina Ziewe, Børge Kordts, Andreas Schrader</i> Market Analysis and User Evaluation of Input Devices for a Communication System in the Intensive Care Unit
13:09	53	<i>Martin Buchschuster, Ralf Bruder, Elmar Rückert</i> Implementing and altering the quadruped 12 dof robot by the Open Dynamic Robot Initiative	47 <i>Sebastian Germer, Mohamed Lambarki, Hannes Ulrich, Josef Ingenerf, Martin Lablans</i> Visualization and Exploration of Integrated Patient Data
13:21	10	<i>Sven Benecke, Meik Frischke, Jasper Diesel, Mattias Heinrich</i> Improvement of Machine Learning Algorithms for Object Detection	76 <i>Niklas Auer, Marietta Zille</i> Detection of Axonal Degeneration in Microscopic Image Time Series using a Deep Learning Approach
13:33	80	<i>Jan Schladetzky, Manuel Studer, Heinz Handels</i> Segmentation of Cutaneous Lymphoma Lesions Using Convolutional Neural Networks	6 <i>Kathrin Pia Riech, Björn Andersen, Martin Kasparick, Josef Ingenerf</i> Enabling Semantic Interoperability for Endoscopic Devices
13:45	67	<i>Ruben Schulze, Ievgen Korol</i> Deep Learning of Cancer in Prostate MRI: Reducing the Impact of Incomplete Annotations	50 <i>Lennart Berkel, Dominik Mairhoefer, Manuel Laufer</i> Automatic Angle Determination of Feet in Images using Convolutional Neural Networks
14:00	<b>Coffee Break and 4-Eyes Appointments (Exhibition)</b>		
14:15	<b>Student Circuit 8 (Exhibition, Group D)</b>		
14:30	<b>Postersession 4 (Poster Area) and 4-Eyes Appointments (Exhibition)</b>		
15:15	<b>4-Eyes Appointments (Exhibition)</b>		
15:45	<b>End</b>		