

Scientific Program
3rd of March, 2023, AM 2

Session 5 - Track A		
E-Health		
Time	Chair: Prof. Dr. Josef Ingenerf	
9:00	89	<i>A. K. Macias Alonso, J. Hirt, P. Janiaud, L. G. Hemkens</i>
		Definitions and applications of digital biomarkers: a systematic mapping of the biomedical literature
9:12	13	<i>J. Kruse, J. Böttcher, J. Wiedekopf, J. Ingenerf</i>
		Experiences of adding FHIR support to a legacy system
9:24	104	<i>P. Behrend, J. Wiedekopf, J. Ingenerf, L. Rosenau</i>
		Developing a validation tool to evaluate data quality and improve data uniformity for a federated feasibility query platform
9:36	40	<i>R. Schulze, R. Stenger, S. Fudickar</i>
		An app for documenting the progress of therapy in movement disorders
9:48	10	<i>T. Ohlsen, C. Drenkhahn, J. Ingenerf</i>
		WASP - Web application supporting SNOMED CT-based postcoordination
10:00	Coffee Break	
Session 6 - Track A		
Sensor Data Analysis		
Time	Chair: Prof. Dr. Marcin Grzegorzec	
10:15	133	<i>C. Schmale</i>
		Dynamic Time Warping to investigate the difference between two paths
10:27	4	<i>H. Lokowandt, J. Knödler, G. Schildbach</i>
		Method to evaluate the accuracy of external and on-board weather information
10:39	88	<i>N. Sattur</i>
		Implementation of Hovering and Obstacle Avoidance of MONSUN Autonomous Underwater Vehicle
10:51	39	<i>S. Najork, A. Steinhage, C. Lauterbach, L. Liebenow, M. Grzegorzec</i>
		Designing a Study to observe the Incidence of Falls by means of a Sensory Floor System
11:03	44	<i>S. Störmer, N. Hombeuel</i>
		Providing medical data from an external database for reports and statistics to create a visualization dashboard for a maternal-child monitoring ward
11:15	Coffee Break	

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Session 7 - Track A		
Safety and Quality 1		
Time	Chair:	
11:30	54	<i>F. Apel</i>
		Development and construction of a testing device for determining the tightness and verifying the durability of membranes
11:42	109	<i>J. Knuth, C. Kren, N. Koop</i>
		Development of a mechanical fixture for laser drilling of diffusion membranes
11:54	3	<i>L. Tastesen, F. Flügge, U. Günther</i>
		Automatic assignment of oregano species employing metabolomic fingerprints
12:06	51	<i>L. Köllisch, T. Martin, N. Linz</i>
		Improvement of the electro-magnetic brake for a medical supply system
12:18	50	<i>E. Norkunas, P. Plaskowski, M. Henke</i>
		Method for selection of a suitable level sensor for a coating station for injector systems
12:30	Lunch Break	
Session 8 - Track A		
Safety and Quality 2		
Time	Chair: Dr. Maria Henke	
13:30	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
13:42	75	<i>F. Schmid, S. Milady</i>
		Influence of X-ray pulses on active electronic circuits
13:54	42	<i>I. Stephan, A. Schillert</i>
		Automated post-market surveillance of a microarray test system
14:06	56	<i>M. Tigre</i>
		Development and Implementation of Ground Control Station Functions for UAV Platforms
14:18	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
14:30	Coffee Break	
14:45	Award Presentation and Farewell	