

## IDC'23 - 16th International Symposium on Intelligent Distributed Computing 2023

<b>Wednesday</b>  <b>13.09.23</b>	13:30	14:00	<b>Registration</b>		Berliner Tor 5, 20099 Hamburg. Follow the signs!
	14:00	14:15	<b>Opening</b>		<b>Prof. Dr. Peter Wulf (HAW Vice-President for Research): Words of Welcome</b>
	14:15	15:15	<b>Invited Talk</b>	<b>Chair: Wolfgang Renz</b>	<b>Michael Merz (Managing Director, Ponton GmbH): „Why NOT Blockchain?“</b> ,
	15:30	16:30	<b>Session Learning</b>	<b>Chair: Michael Köhler-Bußmeier</b>	<b>Tim Tiedemann</b> , Anja Schmidt, Jesse Stricker and Jonas Fuhrmann. First Results of a Comparison of Machine Learning Hardware Acceleration Approaches using Field Programmable Gate Arrays in an Agricultural Mobile Robotic Application Case <b>Diana Gratiela Berbecaru</b> and Stefano Giannuzzi. Fighting TLS Attacks: an Autoencoder-based Model for Heartbleed Attack Detection (online)
	16:30	17:30	<b>Session Analysis and Prediction</b>	<b>Chair: Jan Sudeikat</b>	<b>Nick Krüger</b> and <b>Marcel Völschow</b> . Solar system object detection in time series data using synthetically trained neural networks <b>Dmitry Levshun</b> . Approach for vulnerability prediction based on configuration similarity (online)
	17:30	19:00	<b>Position Papers</b>  <b>Poster Session / Get-Together</b>	<b>Chair: Michael Köhler-Bußmeier</b>	<b>Peer Steldinger</b> and Mustafa Ibrahim. Local Distribution Privacy in Federated Learning <b>Berndt Müller</b> . The Future of Everything is Distributed – A Plea for Reliable, Responsible, and Resilient Systems Engineering <b>Petrit Vuthi</b> , Jan Sudeikat and Irene Peters. Analyzing the Transformation Path of the Local Energy Infrastructure <b>Heiko Rölke</b> and Christine Seidler. Regional Planning Support as a Combination of Expert Judgement, Open Data, Simulation, and Machine Learning

<b>Thursday</b> <b>14.09.23</b>	09:15	10:45	<b>Session</b>  <b>Data Analysis</b>	<b>Chair: Jan Sudeikat</b>	Evgenia Novikova, Marat Bukhtiarov, Igor Kotenko, <b>Elena Fedorchenko</b> and Igor Saenko. Towards application of the tabular data transformation to images in the intrusion detection tasks using deep learning techniques (online)
					<b>Elena-Ruxandra Luțan</b> , Costin Bădică, Maria Ganzha and Marcin Paprzycki. Emergent Topic-Based Classification of Literature Books Using Social Data Analysis
					<b>Linda Rüllicke</b> , Michel Otto and Lars Braubach. A Data Space Experimentation Framework
	11:00	12:00	<b>Session</b>  <b>Smart Cities</b>	<b>Chair: Lars Braubach</b>	Konstantin Izrailov, Nikita Romanov, <b>Andrey Chechulin</b> , Alexander Yaroshenko and Igor Kotenko. Intelligent selection of requirements for a secure design of Smart City transport infrastructure interfaces (online)
					<b>Philipp Kisters</b> , Leonie van der Veen and Janick Edinger. Privacy-Preserving Edge Processing in Decentralized Citizen-centric Sensor Networks
	12:15	13:15	<b>Invited Talk</b>	<b>Chair: Wolfgang Renz</b>	<b>Ingo Friese (DEUTSCHE TELEKOM AG, Group Technology/T-Labs): New distributed cloud- and network architecture for true 3D Holography</b>
	13:30	14:30	<b>Lunch</b>		
	14:45	16:15	<b>Session</b>  <b>Networks</b>	<b>Chair: Philipp Kisters</b>	<b>Alexander M. Busch</b> , Kolja Eger and Björn Richerzhagen. Comparison of Power Consumption Models for 5G Cellular Network Base Stations
					<b>Bastian Silies</b> and Lars Braubach. An Environmentally Friendly Race Timing System Based on Cameras Only
					Laif-Oke Clasen, Daniel Moldt, Marcel Hansson, Karl Ihlenfeldt and Lukas Seifert. Associative Composition of Web Service Invocation Sequences Based on Agent-Interaction-Diagrams
16:30	17:30	<b>Session</b>  <b>Energy Systems</b>	<b>Chair: Linda Rüllicke</b>	Malin Radtke, <b>Stefanie Holly</b> and Astrid Nieße. Distributed Flexibility Fitness Landscape Analysis for Parameterization of Algorithms in Multi-Agent Energy Systems	
				<b>Wolfgang Renz</b> , Juri Backes and Jan Sudeikat. Risk-aware CPS operation scheme - an energy system case study in aFRR pool operation	
19:30		<b>Conference Dinner</b>		<i>Restaurant Eisenstein, Friedenssalle 9, 22765 Hamburg, <a href="https://restaurant-eisenstein.de">https://restaurant-eisenstein.de</a></i>	

<b>Friday</b> <b>15.09.23</b>	09:15	11:15	<b>Session</b> <b>Multi-Agent</b> <b>Systems</b>	<b>Chair:</b> <b>Stefanie</b> <b>Holly</b>	<b>Michele Grimaldi</b> and Cedric Herpson. Multi-Agent Reward-based Intruder Capture (online)
					<b>Lars Braubach</b> , Kai Jander and Theresa Schulz. Robustness by Design
					<b>Michael Köhler-Bußmeier</b> and Jan Sudeikat. Studying the Micro-Macro Dynamics in MAPE-like Adaption Processes
					<b>Ionut Muraretu</b> , Daniel-Costel Bouleanu, Alexandra Vultureanu-Albisi, Costin Badica, Dimitris Safaris, Kaliopi Kravari and Periklis Chatzimisios. A Microservice-Based Multi-Agent System for the Job Market
	11:30	12:30	<b>Invited Talk</b>	<b>Chair:</b> <b>Wolfgang</b> <b>Renz</b>	<b>Sebastian Lehnhoff (Vorstandsvorsitzender OFFIS Oldenburg): "Trust Assessment in Distributed Energy Systems"</b>
12:30	13:00	<b>Closing Session</b>		<i>Best Paper Award + Best Presentation Award</i>	
13:00		<b>Lunch</b>			

<http://idc2023.cc4e.de>