



CERC 2020

Welcome to the Collaborative
European Research Conference

Hotline during CERC 2020

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Thursday, September 10, 2020

09:00 10:00 (CEST) Welcome and Opening

09:15 10:15 (CEST) Keynote Ingo Stengel on »The Impact of European GDPR on Research«

10:15 11:15 (CEST) Coffee break

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10:20	11:20 (CEST)	Morning Session 1	Chair : Haithem Afli
		Internet of Things, Networks and Robotics	
10:20	11:20 (CEST)	Spatial Mapping for Visually Impaired and Blind using BLE Beacons Alan McGibney, Roman Pospisil, Kevin O'Mahony, Juan Francisco Martinez, Susan Rea	
10:45	11:45 (CEST)	SenseBot: A Wearable Sensor Enabled Robotic System to Support Health and Well-being Luigi D'Arco, Huiru Zheng, Haiying Wang	
11:10	12:10 (CEST)	SDR Demonstration System for the Investigation of Cooperative Communication and the Scaling Behaviour of MANETs Mus'ab Yueksel, Milenko Starcik, Florian Hofmann, Raphael Rolny, Marc Kuhn, Michael Kuhn	
11:35	12:35 (CEST)	A new metric for assessing the performance of 2D Lidar SLAMs Bingxin Zi, Haiying Wang, Jose Santos, Huiru Zheng	
12:00	13:00 (CEST)	Possibilities for software development for energy-limited constrained devices Mario Hoss, Jens-Peter Akelbein	
12:25	13:25 (CEST)	Lunch	

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13:00	14:00 (CEST)	Afternoon Session 1	Chair : Huiru (Jane) Zheng
		Data Computing and Artificial Intelligence	
13:00	14:00 (CEST)	Online News Analysis on Cloud Computing Platform for Market Prediction Claudia Juarez, Haithem Afli	
13:25	14:25 (CEST)	Common sense validation and reasoning using Natural Language Processing Shrenik Doshi, Praveen Joshi, Haithem Afli	
13:50	14:50 (CEST)	ZKPs: Does This Make The Cut? Stavros Kassaras, Leandros Maglaras	
14:15	15:15 (CEST)	Application of statistical functions for microstructure characterization and determination of elastic properties of ceramic foam Vinit Vijay Deshpande, Romana Piat, Andre Weidenmann	
14:40	15:40 (CEST)	Automatic Error Detection For Image To Text Tools Suzanne Considine, Haithem Afli, Andy Way	
15:05	16:05 (CEST)	Coffee break	

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Friday, September 11

15:40	16:40 (CEST)	Visual Dashboards in Trend Analytics to Observe Competitors and Leading Domain Experts Lennart Sina, Dirk Burkhardt, Kawa Nazemi
09:00	10:00 (CEST)	Welcome and Opening
16:05	17:05 (CEST)	Emerging Knowledge Extraction and Visualization in Medical Document Corpora Christian Nawroth, Marc Herrmann, Felix Engel, Paul Mc Kevitt, Matthias Hemmje
09:05	10:05 (CEST)	Keynote Peng Shi on »Formation Control for Multi-agent Systems:
16:30	17:30 (CEST)	A Holistic UX Methodological Framework for Measuring the Dynamic, Adaptive and Intelligent Modelling and Analysis« Play Video Aspects of a Software Solution Vivien Johnston, Michaela Black, Jonathan Wallace
10:10	11:10 (CEST)	Coffee break
16:55	17:55 (CEST)	A Conceptual Architecture for AI-based Big Data Analysis and Visualization Supporting Metagenomics Research Thoralf Reis, Thomas Krause, Marco X. Böhmstedt, Matthias L. Hemmje
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17:20	18:20 (CEST)	Chatbot based Behaviour Analysis for Obesity Support Platform Yanxin Wu, Ryan Donovan, Binh Vu, Matthias Hemmje, Haithem Afli
17:45	18:45 (CEST)	Closing remark for first Day



10:15 11:15 (CEST) **Morning Session 1**
Societal Challenges

Chair : Stefanie Regier

- 10:15 11:15 (CEST) Escaping the Everyday Chaos: Assessing the Needs for Internal Knowledge Transfer in SMEs via an Escape Room
Irina Ehrlich, Michael Filipenko, Tanja Kranawetleitner, Heike Krebs, Robert Loew, Diana Pistoll, Julia Thurner-Irmmler
- 10:40 11:40 (CEST) Detecting Sarcasm in News Headlines
Onyinye Chudi-Iwueze, Haithem Afli
- 11:05 12:05 (CEST) Determining Elastic Properties of Particle Reinforced Polymer Composites by Numerical Modeling of their Microstructures
Pascal Alexander Happ, Timo Bensing, Simon Terwolbeck, Katharina Malek, Martin Moneke, Romana Piat
- 11:30 12:30 (CEST) Millennial's CSR Perception, Social Influences, And Intention to Buy Social Responsible Products: A Conceptual Framework
En-Chi Chang, Stefanie Regier, Ingo Stengel
- 11:55 12:55 (CEST) Algorithm for Emissivity-Corrected Pyrometry Independent of Material Properties
Denise Reichel
- 12:20 13:20 (CEST) **Lunch**

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13:00 14:00 (CEST) **Afternoon Session 1** Chair : Udo Bleimann
COVID-19 Research and Smart Healthcare

- 13:00 14:00 (CEST) Exploratory Gait Analysis using Wearable Technology
Richard Davies, Paul McCullagh, Huiru Zheng, Joan Condell
- 13:25 14:25 (CEST) Understanding the Impact of COVID-19 on Behavior Changes and Decision Making of Chinese Students and Researchers in the UK
Hui Yang, Huiru Zheng, Xi Liu
- 13:50 14:50 (CEST) A Close Look on the Corona Impact on Surveillance Radar Channel Loads
Roman Raekow, Michael Kuhn, Bernd-Ludwig Wenning
- 14:15 15:15 (CEST) Wearable Gait Analysis - stepping towards the mainstream
Philip Morrow, Huiru Zheng, Graham McCalmont, Haiying Wang, Sally McClean
- 14:40 15:40 (CEST) TeleStroke System (TSS)
Rishabh Chandaliya, Praveen Joshi, Haithem Afli
- 15:05 16:05 (CEST) Coffee break

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15:15 16:15 (CEST) **Afternoon Session 2**
Business and Society

Chair : Robert Loew

- 15:15 16:15 (CEST) Requirements for payment systems in e-commerce from the retailers' perspective
Elisabeth Zuyeva, Ingo Stengel, Stefanie Regier
- 15:40 16:40 (CEST) An Innovative IoT Based Financing Model for SMEs
Marcel Kehler, Stefanie Regier, Ingo Stengel
- 16:05 17:05 (CEST) Operational Management of Data Centers Energy Efficiency by dynamic optimization -Based on a Vector Autoregressive Model- Reinforcement Learning(VAR-RL) approach
Yang Hai, Truong Van Nguyen, Youngseok Choi, Mohammed Bahja, Habin Lee
- 16:30 17:30 (CEST) Determinants for the adoption of Regulatory Technology (RegTech) services by the companies in United Arab Emirates: An MCDM Approach
Mohamed Muzammil, Nitin Simha Vihari
- 16:55 17:55 (CEST) A Future Prospect for European Collaboration on Advanced Analytics in Economy and Society
Nicola Below, Dirk Burkhardt, Lukas Kaupp, Kawa Nazemi
- 17:20 18:20 (CEST) Coffee break / Best paper award & best presentation award voting
- 17:30 18:30 (CEST) Conference award and closing ceremony

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