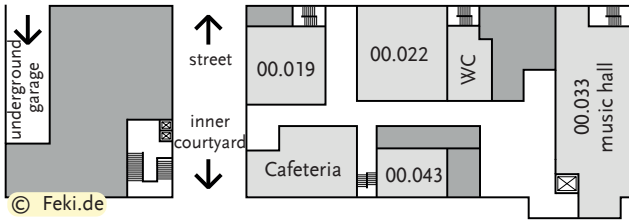
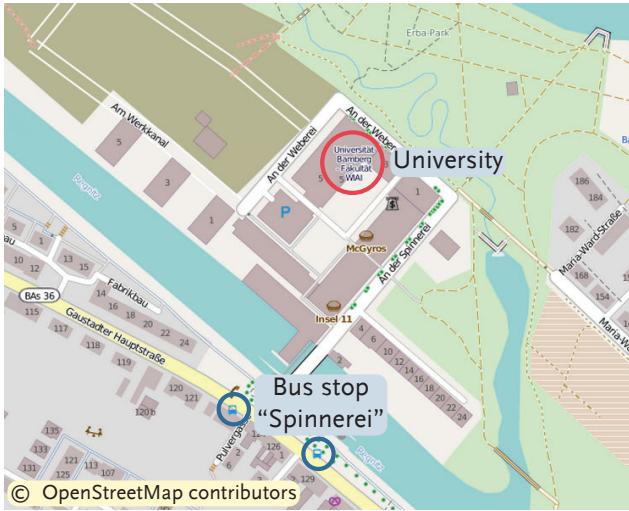


Location Info



Means of Transport

Public transport (ÖPNV):

Bus stop "Spinnerei"

Line 906, 938

Parking:

underground garage beneath the university building

Conference Places



<https://goo.gl/maps/CbRgpdrcWbRABVeP6>

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Innovations for
Community Services

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I4CS

Innovations for
Community Services



Creating Digital Spirit

I4CS 2023

Innovations for Community Services

University of Bamberg
September 11 – 13, 2023

Time Table

	Monday	Tuesday	Wednesday
09:00			
09:00	Registration	Session 3 Text Analysis	Session 5 Internet of Things
10:00	Conference Opening		
10:30	Session 1 Information Security	Coffee Break	Coffee Break
11:00		Session 4 Quantum Computing	Invited Talk Joachim Klerx
12:00			
12:30	Lunch Break		Lunch Break
13:00		Lunch Break	
13:30	Invited Talk Christian Ledig	Keynote Talk Alexandra Dmitrienko	Session 6 Short Papers
14:00	Coffee Break		
14:30	Session 2 Environmental Protection	Coffee Break	
15:00		Recreation Activities at ERBA Park	Tea Break
15:20			Award and Closing Ceremony
16:00	Views from Michelsberg	Guided City Tour Fascination World Heritage	
17:30	Beer Tasting	Schlenkerla Impressions	
18:00		Conference Dinner Restaurant-Hotel Alt-Ringlein	
19:00	Come Together		
21:00			
22:00			

Zoom Access





<https://uni-bamberg.zoom.us/j/65775958019>
Code: I4CS@BA

Wireless Access



SSID: I4CS-23
PSK: innovation@uniba

Sessions I

MON	Session 1: "Information Security"	00.019
	Chair: Ulrike Lechner	
10:30	Michael Hofmeier and Wolfgang Hommel: Enabling the JSON Web Signature Format to Support Complex and Identity-oriented Non-web Processes	
12:00	Günter Fahrnberger: Bloom Filter-Based Realtime Risk Monitoring of SSH Brute Force Attacks	
	Luis Almeida, Brayán Fernández, Daliana Zambrano, Anthony Almachi, Hilton Pillajo and Sang Guun Yoo: A Complete One-Time Passwords (OTP) Solution Using Microservices: A Theoretical and Practical Approach	
MON	Invited Talk	00.019
	Chair: Udo R. Krieger	
13:00	Christian Ledig: Advancing AI in Healthcare: Empowering Radiology through Image-Based Approaches	
14:00		
MON	Session 2: "Environmental Protection"	00.019
	Chair: Frank Phillipson	
14:30	Mohamed-Lamine Benzagouta, Hasnaa Aniss, Hacène Fouchal and Nour-Eddin El-Faouzi: Impact of Speed Limitation on Urban Road Traffic	
16:00	Jonas-Dario Troles, Richard Nieding, Sonia Valeska Simons and Ute Schmid: Task Planning Support for Arborists and Foresters: Comparing Deep Learning Approaches for Tree Inventory and Tree Vitality Assessment Based on UAV-Data	
	Karl Seidenfad, Maximilian Greiner, Jan Biermann and Ulrike Lechner: CarbonEdge: Collaborative Blockchain-based Monitoring, Reporting and Verification of Greenhouse Gas Emissions on the Edge	
TUE	Session 3: "Text Analysis"	00.019
	Chair: Gerald Eichler	
09:00	Jörg Roth: Support for Fictional Story Writing and Copy Editing	
10:30	Florian Würmseer, Stefan Wallentowitz and Markus Friedrich: AutoNLP: A System for Automated Market Research Using Natural Language Processing and Flow-based Programming	
	Hanan Batarfi, Olaa Alsaedi, Arwa Wali and Amani Jamal: Impact of Data Augmentation on Hate Speech Detection	
TUE	Session 4: "Quantum Computing"	00.019
	Chair: Günter Fahrnberger	
11:00	Niels Neumann, Ward van der Schoot and Thom Sijpesteijn: Quantum Cloud Computing from a User Perspective	
12:30	Thom Sijpesteijn and Frank Phillipson: Quantum Approaches for Medoid Clustering	
	Stan G. van der Linde, Ward van der Schoot and Frank Phillipson: Efficient Quantum Solution for the Constrained Tactical Capacity Problem for Distributed Electricity Generation	
TUE	Keynote Talk	00.019
	Chair: Christian Erfurth	
13:30	Alexandra Dmitrienko: Exploring the Landscape of Federated Learning Systems and Applications: Advantages, Challenges, and Security Concerns	
14:30		

Sessions II

WED	Session 5: "Internet of Things"	00.019
	Chair: Hacène Fouchal	
09:00	Mohammad R.H. Mullick, Marcel Großmann and Udo R. Krieger: A Feasibility Study of a Lightweight Fog Computing Architecture Integrating Blockchain Technology for Smart E-Health Applications	
10:30	Sabrina Hölzer, Lucie Honner, Wesley Preßler, Antonio Schulz and Christian Erfurth: Towards Designing a User-Centered Local Community Platform to Foster Social Cohesion in a Multi-Generational Smart Community	
	Marcel Großmann, Lukas Klinger, Vanessa Krolkowski and Chandan Sarkar: Efficient Internet of Things Surveillance Systems in Edge Computing Environments Accessible via Web Based Video Transmissions over Low-Cost Hardware	
WED	Invited Talk	00.019
	Chair: Günter Fahrnberger	
11:00	Joachim Klerx: Detecting Hidden Innovative Networks in Hacker Communities	
12:00		
WED	Session 6: "Short Papers"	00.019
	Chair: Jörg Roth	
13:00	Chérifa Boucetta, Laurent Husenet and Michel Herbin: Improved Euclidean Distance in the K Nearest Neighbors Method	
15:00	Udit Nath, Bhaskar Jyoti Medhi, Anuradha Deori, Maharaj Brahma, Mwnthai Narzary and Pranav Kumar Singh: AutoBookFinder: A Case Study of Automated Book Rack Identification in Library through UGV	
	Moritz Weber: AIoT Chances in Resource-Constrained Environments via Manual Pruning	
	Frank Phillipson: End-to-End Quality of Service Management in the Physical Internet: a Digital Internet Inspired Multi-Domain Approach	
WED	Award and Closing Ceremony	00.019
	Chair: Gerald Eichler	

Committee

Program Chair

Udo R. Krieger, University of Bamberg, Germany

Steering Chair

Gerald Eichler, Deutsche Telekom Technology & Innovation, Darmstadt, Germany

Conference Chair

Christian Erfurth, University of Applied Sciences Jena, Germany

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