

Two Guest Lectures on Smart City

Co-jointly organized with CZS MINT-Forum for interdisciplinary dialogue

When: 16. January 2024
Time: 16:15 – max. 17:30 hrs
Where: University Koblenz, Building E, Room E 413

Guest lecture 1: Research and the City: A Joint Endeavor of Researchers, Citizens, and City Governance in Bamberg

by Prof. Dr. Daniela Nicklas, Chair of Mobile Systems, University Bamberg

Abstract: The concept of a smart city has evolved significantly over the years, reflecting the dynamic nature of urban development and technological advancements. Initially, the term "smart city" primarily focused on leveraging technology to enhance the efficiency and infrastructure of urban areas, often emphasizing data-driven solutions for traffic management and resource optimization. However, in recent years, the definition has broadened to encompass a more holistic approach, emphasizing not only technological innovation but also sustainability, citizen engagement, and the overall quality of urban life. This shift reflects a growing recognition that smart cities must prioritize human-centric solutions and environmental sustainability to truly thrive in the 21st century. To reach this goal, the perspectives of many stakeholders in a city must be taken into account. This talk reports practical experiences and future challenges from several years of smart city related research and the process of creating an interdisciplinary research network within the University of Bamberg, the Smart City Research Lab. Its goal is to support the City of Bamberg on its journey and to provide an environment to validate research ideas in real-world installations and with users who are not just our own students.



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Speaker Bio: Since 2014, Daniela Nicklas is full professor at the University of Bamberg, Germany, and holds the Chair of Mobile Systems. Before that, she was a Junior professor for database and internet technologies at the University Oldenburg and Member of Executive Board in the Transportation division at the OFFIS institute for computer science. She came there from a PostDoc position at the University Stuttgart (2006-2008), where she also obtained her PhD in 2005, working on the integration of large-scale spatial context models for mobile applications. Her research interests are computer systems that bridge the gap between the physical world and the digital world. She focuses on the continuous management of data from sensors and other active data sources and their incorporation in so-called context-aware applications. Currently, she works on data stream management technologies. She applies these technologies to the domains of smart cities, precision farming, pervasive computing, and situational awareness in general. In 2009, she received the IBM Exploratory Stream Analytics Innovation Award for „Data Stream Technology for Future Energy Grid Control“. Together with Prof. Dr. Marc Redepenning and Prof. Dr. Astrid Schütz, she manages the Smart City Research Lab Bamberg. She is a member of many programme committees and organizing committees of pervasive computing and database conferences and workshops (e.g., PerCom, MDM, BTW, ...), a member of the editorial board of the Datenbankspektrum (German Journal on Databases) and the board of the German Society for Computer Science (GI).

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When: 16. January 2024
Time: 17:45 – max. 19:00 hrs
Where: University Koblenz, Building E, Room E 413

Guest lecture 2: Smart City Lübeck – Improving the quality of life for urban society

by Dr. Stefan Ivens, Chief Digital Officer, Hanseatic City of Lübeck

Abstract: The Hanseatic city of Lübeck not only has a special tradition: it has also always been innovative. As the Queen of the Hanseatic League, it has helped shape the Baltic Sea region for half a millennium because it has always acted with foresight, with a firm eye on the future. Today, the Smart City Region Lübeck is an expression of this, preserving the tradition of the Hanseatic city, ensuring its constant innovative strength and ensuring that the city society is well positioned for the future.

The digital strategy is our route on the way to becoming a smart city. Smart City Lübeck is an ongoing process with a clear goal: people have more time for themselves and can enjoy it at the Baltic Sea, for example. Thanks to digital solutions, we have answers to the challenges of the future. As a city, we are significantly more resilient and better positioned for the crises and storms of the future. We can act with confidence and are therefore always ahead of the wave. With our compass of expert knowledge combined with real-time data and the involvement of urban society, we can follow the right course. We network in Lübeck, in the region, nationally and internationally - because only together can we succeed on the path to becoming a smart city.



Hansestadt LÜBECK 

<https://www.luebeck.de/de/stadtentwicklung/smart-city-luebeck/>

Short Bio: Dr. Stefan Ivens has been Chief Digital Officer of the Hanseatic City of Lübeck since the beginning of April 2019. The term Chief Digital Officer refers to a position that deals with planning and managing the digital transformation of the Hanseatic city. Specifically, he manages the development process towards a smart city. The aim of this is to improve the quality of life of urban society through digitalization. Location development and administrative modernization are inextricably linked. Stefan has been trained as IT specialist in system integration, he studied computer science (B.Sc.) at the Technical University of Ingolstadt and information management (M.Sc.) at the University of Koblenz-Landau. He also completed his doctorate in Koblenz on the subject of "Corporate reputation in the digital age" and worked as a research associate at the same time.

Note: The two guest lectures are held in the scope of the Module "Applications of E-Government" in the Master Studies E-Government at the University Koblenz. Teaching is in English, and so are the two guest lectures.

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