

Female Scientists Lecture Series

Lecture by Dr. Karola Marky



TECHNISCHE
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„Digital-Sovereign Interaction: Enabling Self-Determination for Individuals in Digital Spaces“

Based on the ongoing digitization, individuals increasingly interact with digital services that can handle sensitive data. These data can be protected by security and privacy mechanisms. Current realizations of such mechanisms, however, often provide cumbersome security and privacy controls or even neglect these aspects completely.

This talk provides an overview of research in the scope of digital-sovereign interaction - the vision that individuals can act matching their personal self-determination needs in digital spaces. For this, requirements for realizing digital sovereignty are presented, focusing on user experience aspects. Further, specific research results based on the use cases of online voting, Internet-of-Things devices, and access control are presented to highlight the challenges of digital-sovereign interaction.



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Zoom