Friedrich-Alexander-Universität
Technische Fakultät

Informatik–Kolloquium SS 2025
Donnerstag, 22.05.25, 16.15 Uhr, Raum 12.150, Martensstr.3

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Introduction to Differential Privacy and How We Brought Formal Privacy Protection to the US 2020 Census.

Differential privacy (DP) is an increasingly popular, though controversial, approach to protecting personal data. DP protects confidential data by introducing carefully calibrated random numbers, called statistical noise, when the data is used. Google, Apple, and Microsoft have all integrated the technology into their software, and the US Census Bureau used DP to protect data collected in the 2020 census. In this talk, Simson Garfinkel presents the underlying ideas of DP, and helps explain why DP is needed in today's information-rich environment, why it was used as the privacy protection mechanism for the 2020 census, and why it is so controversial in some communities.

Gemeinsames Kolloquium von Department Informatik und
GRK 2475 (Cyberkriminalität und forensische Informatik)

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