Workshop

„Anonymisation of Mobility Data“

AnoMoB meets explanym

25.07.2025

Hochschule Esslingen – University of Applied Sciences & Bamberg University

Kanalstraße 33, 73728 Esslingen, Building 7, Room S7.111

Programme

08:30 - 09:00	**Arrival time**
09:00 - 09:05	Welcome by Vice President for Research Prof. Dr. Gabriele Gühring
09:05 - 09:15	Michael Freitag, Dominik Schoop: Introduction to the projects explanym and AnoMoB
09:15 - 09:30	Simon Dao, Anthony Vu, Garret Woelfl, Jing Yi Zhong: Summer of Research 1 - Introduction to sensors, apps, platforms - Flowtracker, Explanym App, Civitas
09:30 - 09:45	Anthony Vu, Jing Yi Zhong: Summer of Research 2 - OBS and Bus use cases
09:45 - 10:00	Simon Dao, Garret Woelfl: Summer of Research 3 - Flowtracker use cases and further research ideas
10:00 - 10:30	Markus Reutter: Navigating the conflict zone of mobility data, privacy and trust - insights from the AnoMoB field test survey
10:30 - 10:40	**Break**
10:40 - 11:10	Debasree Das: Does One Noise Fit All? Outlook to E-Scooter Use Case in Bamberg
11:10 - 11:40	Faizan Hussain: An Open Bike Sensor Case Study in Bamberg: Validation, Acceptance and Cycling Patterns
11:40 - 12:10	Damir Ravlija: Anonymization of Single-Track Car Trajectories
12:10 - 12:20	**Break**
12:20 - 12:50	Muhammad Kamran Sohail: Online Differential Privacy for Mobility Data
12:50 - 13:20	Di Hu, Andreas Heinrich: Improving Local Differential Privacy with Map Matching
13:20 - 14:20	**Lunch Break / Kandelmarsch**
14:20 - 14:50	Clemens Krüger: Using Homomorphic Encryption for Mobility Data Analysis
14:50 - 15:00	**Final discussion and wrap up**

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