Joint Workshop on “Lane-free Traffic”
02 - 07 June 2023

Workshop Agenda (Room Γ3.1.14)

Friday 02/06/2023

Start	End	Session	Speaker
11:00	11:15	Welcome and introduction	Prof. Papageorgiou, Prof. Papamichail
11:15	12:30	Guest Lecture: “The MobilityCoin System”	Prof. Bogenberger
12:30	13:30	Lunch Break	
13:30	14:45	Presentations of ongoing TUC work 1. Optimal Control of Automated Vehicles crossing a Lane-free Signal-free Intersection 2. Extending SUMO for Lane-Free Microscopic Simulation of Connected and Automated Vehicles 3. Validation of Internal Boundary Control in Lane-free Automated Vehicle Traffic via Microscopic Simulation	 Dr. Mehdi Naderi Dimitrios Troullinos Milad Malekzadeh
14:45	15:00	Short Break	
15:00	16:15	Presentations of ongoing TUM work 1. Early Studies and Concepts: Density Estimation, Adapting Lane Numbers and Lane-Free Roundabouts 2. Intersection Control for Lane-free Intersections 3. Potential line strategy for lane-free automated freeways	 Athanasia Karalakou Dr. Tanja Niels Dr. Majid Rostami
16:15	16:30	Round-up	All

Tuesday 06/06/2023

Start	End	Session	Speaker
10:30	11:30	Guest Lecture: “Data-driven Approaches for Traffic Monitoring, Modelling and Management in Urban and Motorway Networks”	Prof. Keyvan-Ekbatani
11:30	11:45	Short Break	
11:45	13:00	Presentations of ongoing TUC work 4. Cruise Controllers for Roads of Variable Width Short presentations of project ideas	 Dr. Dionysios Theodosis All
13:00	14:00	Lunch Break	
14:00	15:00	Brainstorming on project ideas in smaller groups	All
15:00	15:30	Discussion of brainstorming results	All
15:30	16:00	Round-up	All

Dinner (around 8 pm)

Wednesday 07/06/2023 ***(Students / Postdocs)***

Start	End	Session	Speaker
10:30	13:00	Refinement of project ideas (in smaller groups)	All
13:00	14:00	Lunch Break	
13:00	14:30	Definition of next steps (in smaller groups)	All
14:30	14:45	Short Break	
14:45	16:00	Documentation of workshop results	All