

## Workshop Agenda

### 2022 Workshop on Intelligent Connected Autonomous Vehicles and Smart Mobility

Date: Oct 18, 2022, Venue: Room 2.101, Institut für Informatik, Goldschmidtstr. 7, 37077 Göttingen, Uni Göttingen, Germany  
Zoom meeting ID: 687 5447 6252, Passcode: 522955

Co-sponsored by IEEE VTS Germany Chapter, IEEE ComSoc Technical Committee on Green Communications and Computing (TCGCC), EU H2020 COSAFE and VESAFE projects

18/10/2022	Activities	Speaker	Note
09:30-09:35	Welcome notes, introduction to IEEE VTS German Chapter, agenda bashing	Prof Xiaoming Fu, UGOE; Dr Jianhua He, U Essex, UK	Workshop co-organizer COSAFE coordinator
09:35-09:40	Introduction of IEEE ComSoc TGCCC	Prof Yan Zhang, University of Oslo, Norway	IEEE TGCCC Chair
	Session chair	TBC	
09:40-10:10	Collaborative collision avoidance using 5G/6G: “The wireless seat belt”	Prof David Klaus, University of Kassel, Germany	Co-Chair of IEEE VTS Germany Chapter
10:10-10:40	Over the air federated learning	Prof Yusheng Ji, IEEE Fellow, National Institute of Informatics, Japan	(online)
<b>10:40-11:00</b>	<b>Coffee break</b>		
	Session chair	TBC	
11:00-11:30	Wireless powered communications in the era of 6G	Prof Ioannis Krikidis, IEEE Fellow, University of Cyprus, Cyprus	(online)
11:30-12:00	Object tracking and sensor fusion for automotive applications	Prof Marcus Baum, Univ of Göttingen	
12:00-12:30	Urban traffic modelling and applications	Laura Li & Andrew Radford, Birmingham City Council, UK	(online)
<b>12:30-13:30</b>	<b>Lunch and networking</b>		
	Session chair	TBC	
13:30-14:00	Towards trustworthy mobile crowdsensing and location-based services	Prof Panagiotis Papadimitratos, IEEE Fellow, KTH, Sweden	(online)
14:00-14:30	A geometric theory of the Doppler frequency for general non-stationary 3D mobile-to-mobile channels	Dr. Michael Walter, DLR, Germany	(online)
14:30-14:50	6G V2X for future vehicle communications	Dr. Zilong Liu, Univ. of Essex, UK	(online)
14:50-15:10	Smart City Initiative in City Göttingen	Lauritz Kawe, City Göttingen	
<b>15:10-15:30</b>	<b>Coffee break and networking</b>		
	Session chair	TBC	
15:30-16:00	Protecting Vulnerable Road Users through Joint Communication & Sensing	Dr. Fabian de Ponte Mueller, DLR	
16:00-16:20	V2X Communication for platooning	N.N., Prof. Andreas Timm-Giel, Hamburg University of Technology	(online)
16:20-16:40	Cooperative intelligent IoVs for autonomous driving	Dr Kai Xiong UESTC, China	(online)
16:40-17:05	Simulative Performance Evaluation of Manoeuvre Coordination Service using ITS-G5	Keno Garlichs, Prof. Lars Wolf, TU Braunschweig	
17:05-17:30	Enhanced Edge Intelligence for Connected and Autonomous Vehicles	Prof Wei Wang Univ. of Essex, UK & HUST, China	
17:30-17:50	Neural-enhanced Video Analytics for Traffic Surveillance in Smart Cities	Dr Tingting Yuan, Univ. of Göttingen	
<b>18:00-21:00</b>	<b>Dinner and networking</b>		