

PROGRAM - DRAFT, 23 Aug 2023

Structure for PhD talks:	Short introduction university/institute (Prof.)	5 min
	PhD thesis (PhD student)	20 min
	Discussion	5 min

Structure for VIF talks:	Project and partner 'ecosystem' (project manager)	5 min
	PhD thesis in project (PhD student)	20 min
	Discussion	5 min

	Organization and Intro/Summary
	PhD cooperation
	VIF Talk

Wed, 20 Sept 2023

Time	Topics	Presenters	Participation PhD Student (in-person / remotely)	Participation Professor (in-person / remotely)
9:00 am - 9:30 am	Welcome and introduction into PhD Days at VIF	Hermann Steffan, Anton Fuchs (ViF)		
9:30 am - 10:00 am	Weather effects on lidar sensors	Stefan Muckenhuber and Christoph Gaisberger (University of Graz, AT), PhD cooperation	in-person	remotely
10:00 am - 10:30 am	Metafoam for automotive applications	Prof. Domenico Mundo and Walter Bova (University of Calabria, IT), PhD cooperation	remotely	remotely
10:30 am - 11:00 am	Camera-based full environmental awareness for AD	Prof. Mile Stankovski and Stefan Zlatinov (Ss. Cyril and Methodius University in Skopje, NMK), PhD cooperation	remotely	remotely
11:00 am - 11:30 am	Break			
11:30 am - 12:00 pm	Mixed Reality Robot Teach-In Assistant	Michael Spitzer, VIF talk	in-person	
12:00 pm - 12:30 pm	Optimal Experimental Design for Inverse Problems and PDE-constrained optimization	Prof. Stefan Volkwein and Andrea Petrocchi (University Konstanz, DE), PhD cooperation	in-person	remotely
12:30 pm - 1:00 pm	Uncertainty Propagation through Nonlinear Systems with the Focus on Autonomous Driving	Prof. Adnan Tahirovic and Kenan Ahmić (ISH Sarajevo, BiH / Graz University of Technology, AT), PhD cooperation	in-person	
1:00 pm - 1:15 pm	Summary and Closing of Day 1	Anton Fuchs (ViF)		

Thu, 21 Sept 2023

Time	Topics	Presenters	Participation PhD Student (in-person / remotely)	Participation Professor (in-person / remotely)
1:00 pm - 1:30 pm	Cooperative Awareness and Collective Perception in CCAM Systems	Christoph Pilz, VIF talk	in person	
1:30 pm - 2:00 pm	Safety Argumentation for the Deployment of Automated Vehicles	Patrick Weißensteiner, VIF talk	tbd	
2:00 pm - 2:30 pm	Effect of Steel Microstructure at the Wheel-Rail Interface	Prof. Roger Lewis and James Ayabina, (University of Sheffield, UK), PhD Cooperation	remotely	remotely
2:30 pm - 3:00 pm	Break			
3:00 pm - 3:30 pm	Simulation and characterisation techniques for porous absorber materials	Mariia Bronzova (BMW, TUG, VIF), VIF talk	remotely	
3:30 pm - 4:00 pm	Influence of scenario based variation parameters on the effectiveness of driver assistance systems for accident prevention	Jörg Moser and Fengwei Guo (Graz University of Technology, AT), PhD cooperation	remotely	
4:00 pm - 4:30 pm	Constrained POMDP Planning in Large Domains	Prof. Mykel Kochendorfer and Arec Jamgochian (Stanford University USA) PhD cooperation	remotely	remotely
04:30 pm - 5:00 pm	Summary and Closing of Day 2	Anton Fuchs (ViF)		

Fri, 22 Sept 2023

Time	Topics	Presenters	Participation PhD Student (in-person / remotely)	Participation Professor (in-person / remotely)
9:00 am - 9:30 am	Simulation and Gaming to promote cross-disciplinary collaboration	Prof. Peter Slepcevic-Zach and David Luidold (University of Graz, AT), PhD cooperation	remotely	remotely
9:30 am - 10:00 am	Modeling and Simulations for Next Generation Lithium-Ion Cells	Prof. Alberto Salvadori and Erkin Yildiz (Brescia University, IT), PhD cooperation	remotely	remotely
10:00 am - 10:30 am	Mobile refrigeration systems for heating and cooling in special consideration of performance and efficiency	Peter Schrank, VIF talk	in-person	
10:30 am - 11:00 am	A Transient Creep Force Model to predict Torsional Wheelset Vibrations	Gabriele Scandola, VIF talk	in-person	
11:00 am - 11:30 am	Summary and Closing of PhD Days 2023	Anton Fuchs (ViF)		