

Siegmundsburg Workshop 2024

Control, Data and Dynamics

26. – 28. August 2024



Foto Impressum: <https://www.wimdu.de/Ferienwohnung/Siegmundsburg>

Haus Rosenbaum

Hiftenberg 3, OT Siegmundsburg,
98724 Neuhaus am Rennweg

Scientific programme

Montag 26.August 2024		
Timeline	Speaker	Topic or breaks
12:00 – 13:00 Uhr		Lunch
13:00 – 13:10 Uhr	Prof. Hotz & Prof. Worthmann	Welcome
13:10 – 15:00 Uhr	Dr. Friedrich Philipp	Error bounds on Koopman regression for learning dynamics
15:00 – 15:50 Uhr		Coffee and cake
15:50 – 17:40 Uhr	Tobias Bernstein und Maximiliano Hertel	Applying Importance Sampling to Controlled Stochastic Differential Equations
17:45 – 18:15 Uhr	WMRS/OBC intern WMRS: tba OBC: Yongo Kim	talks about his dissertation project
18:30 – 20:00 Uhr		Dinner
ab 20:00 Uhr		Bunter Abend

Dienstag 27.August 2024		
Timeline	Speaker	Topic or breaks
8:30 – 10:20 Uhr	Cinja Arndt	
10:20 – 10:50 Uhr		Coffee
10:50 – 12:40 Uhr	Dr. Jan Heiland	Linear parameter-varying approximations for flow control
12:45 – 13:30 Uhr		Lunch
13:30 – 17:15 Uhr		Excursion
17:30 – 18:30 Uhr	WMRS/OBC intern WMRS: tba OBC: Lea Bold's Benedikt Oppeneiger	Rehearsal talk (MICNON) talks about his recent paper draft
ab 19:00 Uhr		Dinner
after Dinner		Spieleabend

Mittwoch 28.August 2024		
Timeline	Speaker	Topic or breaks
8:30 – 10:20 Uhr	Jonas Kirchhoff	- Axiomatic thermodynamics (30 minutes + 15 minutes for discussion) - Port maps for finite-dimensional nonlinear port-Hamiltonian systems: purpose, definition, impact
10:20 – 10:50 Uhr		Coffee
10:50 – 12:40 Uhr	Karl Spencer-Buff	Sampling
12:45 – 13:30 Uhr		Lunch
13:45 – 14:40 Uhr	WMRS/OBC intern	
14:45 – 15:00 Uhr	Prof. Hotz & Prof. Worthmann	Closing