ALGORITHMIC OPTIMIZATION

UNIVERSITÄT TRIER

Autumn School

on

Model Reduction and Model Predictive Control

With Differential Equations

Oct. 4 — Oct. 7, 2022
Trier University

www.alop.uni-trier.de

Autumn School on Model Reduction
and Model Predictive Control with Differential Equations

4.10 – 7.10.2022
Trier University, Lecture Hall HS 9 (E Building)

Program

Tuesday: 4. October 2022

7:45	*Registration*	*Foyer, E Building*
8:15 – 8:30	Opening Remarks: Nicole Marheineke, Organizer	HS 9
8:30 – 9:00	Ice Breaker (ALOP Members)	HS 9
9:00 – 10:30	Session I *Tobias Damm*: Linear Systems, Balanced Truncation, and Optimal Control	HS 9
10:30 – 11:00	*Coffee Break*	*Room E 51*
11:00 – 12:30	Session II *Tobias Damm*: Linear Systems, Balanced Truncation, and Optimal Control	HS 9
12:30 - 14:00	*Lunch*	*Mensa*
14:00 – 15:30	Session III *Tobias Breiten*: Model reduction and optimal control of bilinear control systems	HS 9
15:30 – 18:00	*Meet and Greet/Welcome Reception* *with Ice Breaker (all other participants)*	*Room E 51*

Wednesday: 5 October 2022

8:30	*Late Registration*	*Foyer, E Building*
9:00 – 10:30	Session I *Tobias Damm*: Linear Systems, Balanced Truncation, and Optimal Control	HS 9
10:30 – 11:00	*Coffee Break*	*Room E 51*
11:00 – 12:30	Session II *Tobias Breiten*: Model reduction and optimal control of bilinear control systems	HS 9
12:30 - 14:00	*Lunch*	*Mensa*
14:00 – 15:30	Hands-On Session *Tobias Damm und Tobias Breiten*	E 044 + E 52
17:00 - 19:00	*Guided City Tour* *Meet at Tourist Info, Porta Nigra*	
19:00	*Wine tasting followed by Conference Dinner* *„Wirtshaus zur Glocke" in Trier*	

Thursday: 6 October 2022

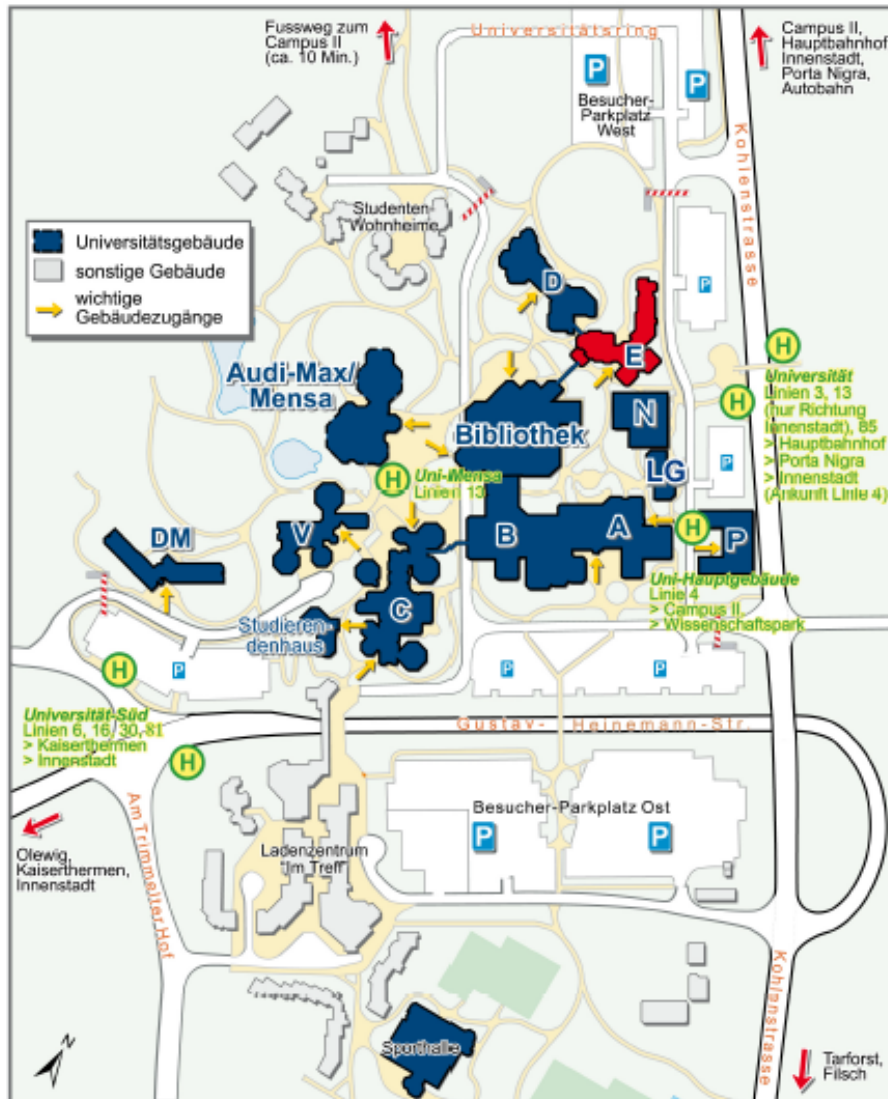|		
9:00 – 10:30	Session I *Jan Heiland*: Proper Orthogonal Decompositions in Optimal Control	HS 9
10:30 – 11:00	*Coffee Break*	*Room E 51*
11:00 – 12:30	Session II *Benjamin Unger*: Dynamic Mode Decomposition and Data-Driven Control	HS 9
12:30 - 14:00	*Lunch*	*Mensa*
14:00 – 15:30	Hands-On Session *Jan Heiland and Benjamin Unger*	E 044 + E 52
15:30 – 16:00	*Coffee Break*	*Room E 51*
16:00 – 17:00	Open Discussion	

Friday: 7 October 2022

9:00 – 10:30	Session I *Jan Heiland*: Proper Orthogonal Decompositions in Optimal Control	HS 9
10:30 – 11:00	*Coffee Break*	*Room E 51*
11:00 – 12:30	Session II *Benjamin Unger*: Dynamic Mode Decomposition and Data-Driven Control	HS 9
12:30 - 14:00	*Lunch*	*Mensa*
14:00 – 15:30	Hands-On Session *Jan Heiland and Benjamin Unger*	E 044 + E 52
15:30 – 15:45	Closing Remarks	HS 9

The Autumn School 2022 will take place in Building E on the Trier University Campus I.

Please refer to the map below for a detailed Campus layout.
For directions to the University, please refer to the website www.uni-trier.de