

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		<i>Registration</i>	<i>Foyer, E Building</i>
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 <i>Tobias Damm: Linear Systems, Balanced Truncation, and Optimal Control</i>		HS 9
10:30 – 11:00		<i>Coffee Break</i>	<i>Room E 51</i>
11:00 – 12:30	Session II <i>Tobias Damm: Linear Systems, Balanced Truncation, and Optimal Control</i>		HS 9
12:30 - 14:00		<i>Lunch</i>	<i>Mensa</i>
14:00 – 15:30	Session III <i>Tobias Breiten: Model reduction and optimal control of bilinear control systems</i>		HS 9
15:30 – 18:00		<i>Meet and Greet/Welcome Reception with Ice Breaker (all other participants)</i>	<i>Room E 51</i>

Wednesday: 5 October 2022

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

Thursday: 6 October 2022

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

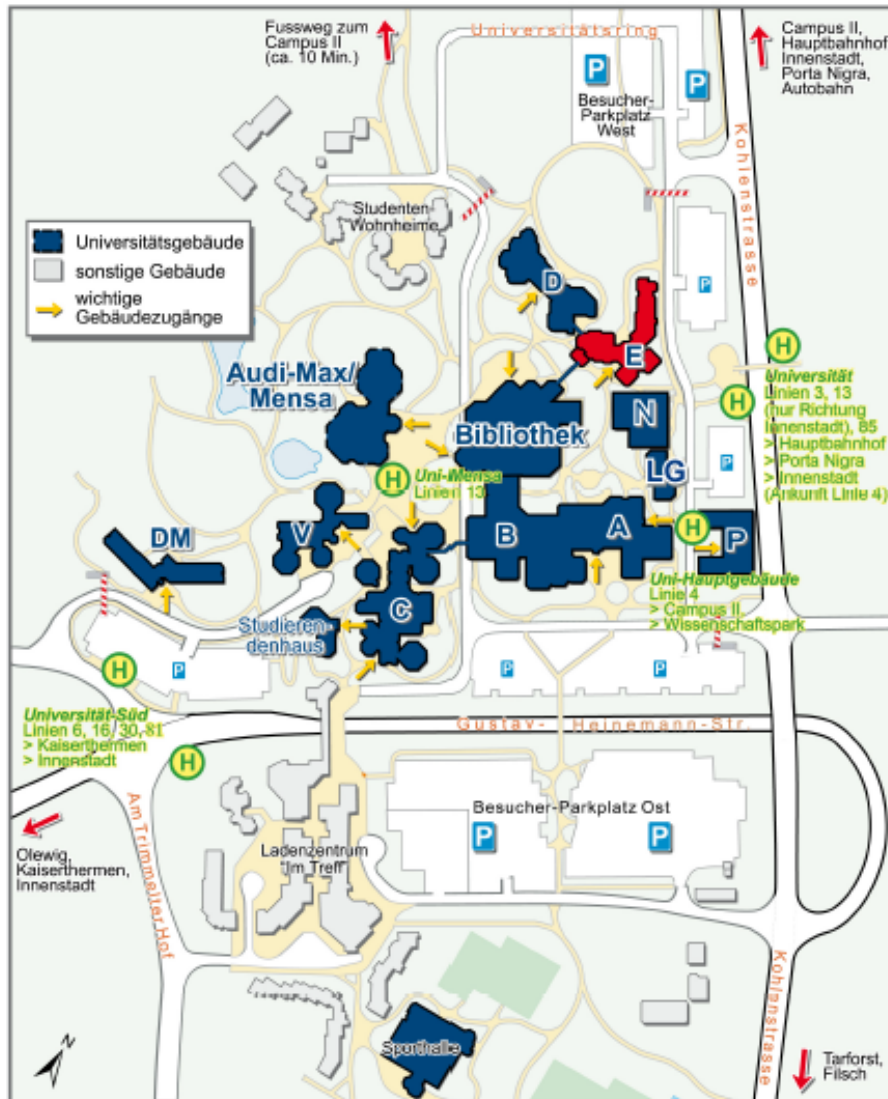
Friday: 7 October 2022

9:00 – 10:30	Session I <i>Jan Heiland: Proper Orthogonal Decompositions in Optimal Control</i>	HS 9
10:30 – 11:00	<i>Coffee Break</i>	<i>Room E 51</i>
11:00 – 12:30	Session II <i>Benjamin Unger: Dynamic Mode Decomposition and Data-Driven Control</i>	HS 9
12:30 - 14:00	<i>Lunch</i>	<i>Mensa</i>
14:00 – 15:30	Hands-On Session <i>Jan Heiland and Benjamin Unger</i>	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



We gratefully acknowledge the support of

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