



# ALGORITHMIC OPTIMIZATION

## Autumn School 2019

### Optimal Control and Optimization with PDE's

October 7—October 10, 2019

Trier University



[www.alop.uni-trier.de](http://www.alop.uni-trier.de)

## Autumn School 2019

7 October— 10 October 2019

Trier University

Universitätsring 15

54296 Trier

Organizers:

Nicole Marheineke, Trier University

Volker Schulz, Trier University

**Program: Monday, October 7, 2019**

08:00—08:30	<b>Registration</b>	Lobby, E Building
08:30— 09:00	<b>Opening Remarks</b> <i>Nicole Marheineke, Organizer</i>	Lobby, E Building
09:00—10:30	<b>Session I</b>	HS 9
10:30—11:00	<i>Coffee Break</i>	<i>Room E 52</i>
11:00—12:30	<b>Session II</b>	HS 9
12:30—14:00	<i>Lunch</i>	<i>Mensa</i>
14:00—15:30	<b>Session III</b>	HS 9
15:30—15:45	<i>Coffee Break</i>	<i>Room E 52</i>
15:45—16:30	<b>Participant Presentations</b>	HS9
16:30—19:00	<b>Welcome Reception</b> with Poster Presentation	Room E 52

Lecturer: **Michael Hintermüller, Humboldt-University of Berlin**

The topic of today's sessions is  
„Optimal control problems involving nonsmooth structures“

**Program: Tuesday, October 8, 2019**

08:30—09:00	<b>Late Registration</b>	Lobby, E Building
09:00—10:30	<b>Session I</b>	HS 9
10:30—11:00	<i>Coffee Break</i>	<i>Room E 52</i>
11:00—12:30	<b>Session II</b>	HS 9
12:30—14:00	<i>Lunch</i>	<i>Mensa</i>
14:00—15:30	<b>Session III</b>	HS 9
15:30—15:45	<i>Coffee Break</i>	<i>Room E 52</i>
15:45—16:15	<b>Participant Presentations</b>	HS 9
16:15—17:30	<b>Open Discussion</b>	HS 9

Lecturer: **Michael Hinze, Universität Koblenz-Landau**

The topic of today's sessions is  
„Discrete Concepts and algorithms in PDE  
constrained optimization“

**Program: Wednesday, October 9, 2019**

09:00—10:30	<b>Session I</b>	HS 9
10:30—11:00	<i>Coffee Break</i>	<i>Room E 52</i>
11:00—12:00	<b>Session II</b>	HS 9
12:00—13:30	<i>Lunch</i>	<i>Mensa</i>
13:30—15:30	<b>Lecture</b> Christian Leithäuser, Fraunhofer ITWM <b>Optimal control and optimization for industry</b>	HS 9
17:00—19:00	<b>Guided City Tour of Trier</b> <i>Meet at the Porta Nigra Tourist Office</i>	
19:00	<b>Conference Dinner</b> <i>Restaurant Die Glocke</i>	

Lecturer: **Alfio Borzi** , **Universität Würzburg**

The topic of today's sessions is  
**„Optimal control problems with random and stochastic  
differential models“**

**Program: Thursday, October 10, 2019**

09:00—10:30	<b>Session I</b>	HS 9
10:30—11:00	<i>Coffee Break</i>	<i>Room E 52</i>
11:00—12:30	<b>Session II</b>	HS 9
12:30—14:00	<i>Lunch</i>	<i>Mensa</i>
14:00—15:30	<b>Open Discussion</b>	HS 9
15:30—16:00	<b>Poster Award Conclusion</b>	<i>Room E 52</i>

Lecturer: **Alfio Borzi** , **Universität Würzburg**

Today's sessions will continue on the topic of  
**„Optimal control problems with random and stochastic  
differential models“**

The Autumn School 2019 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 [uni-trier.de](http://uni-trier.de)

We gratefully acknowledge the support of the

