

RTG Pi³ Compact Course T2: Minimization of Functions and Functionals

	Monday, 20.02.2017	Tuesday, 21.02.2017	Wednesday, 22.02.2017	Thursday, 23.02.2017	Friday, 24.02.2017
9:30 - 10:00					
10:00 - 10:30	Intro: preconditions, expectations, etc.	Numerics of high-dimensional optimization	Real-time optimization	Optimal control	Numerics of optimal control
10:30 - 11:00	Nonlinear optimization				
11:00 - 11:30					
11:30 - 12:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
12:00 - 12:30					
12:30 - 13:00					
13:00 - 13:30	Getting started with WORHP	WORHP-examples and applications	Programming tutorial with WORHP	Getting started with TransWORHP	TransWORHP-examples and applications
13:30 - 14:00					
14:00 - 14:30					
14:30 - 15:00					
15:00 - 15:30	Self studies	Self studies	Self studies	Self studies	Self studies
15:30 - 16:00					
16:00 - 16:30					

	Monday, 27.02.2017	Tuesday, 28.02.2017	Wednesday, 01.03.2017	Thursday, 02.03.2017	Friday, 03.03.2017
9:30 - 10:00					
10:00 - 10:30	Optimal feedback control/ adaptive control	Multi criteria optimization	PDE constrained optimization	Model predictive control	Parameter identification applications at O2C
10:30 - 11:00					
11:00 - 11:30					
11:30 - 12:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
12:00 - 12:30					
12:30 - 13:00					
13:00 - 13:30	WORHP/Matlab applications	WORHP/Matlab MCO applications	Self studies	MPC with TransWORHP	Final discussion: Optimization in PhD projects
13:30 - 14:00					
14:00 - 14:30					
14:30 - 15:00					
15:00 - 15:30	Self studies	Self studies	Visit of DLR	Self studies	
15:30 - 16:00					
16:00 - 16:30					
16:30 - 17:00					
17:00 - 17:30					