Contact

Contact





Registration

until 17th May 2024

https://form.jotform.com/240812429904052

Arrival by train

After your arrival at Braunschweig main station there are two options to get to the hotel.

By bus, from platform A, with Ringbus 429 direction "Braunschweig Hauptbahnhof", 3 stops.

By tram, from platform C, with tram 5 direction "Broitzem", 8 stops.

Ride until the stop "Friedrich-Wilhelm-Platz". From there it is a 500 m walk to the hotel.



Selina Masser Institute of Technology (KIT) Institute of Mechanical Process Engineering and Mechanics Process Machines Phone: +49 721 608-42400 E-Mail: spp2364@mvm.kit.edu

Internet-Homepage

https://www.mvm.kit.edu/english/6543.php

2nd Summer School

Autonomous Processes in Particle

Technology

 $17^{th} - 19^{th}$ of June



Venue

Steigenberger Parkhotel Braunschweig

Nimes-Straße 2

38100 Braunschweig

Content	Program		Program	
	Topic overview and provisional program Monday, 17 th June 2024		Topic overview and provisional program Tuesday, 18 th June 2024	
Dear participants of the SPP2364,				
we are already in the second year of our priority programme and with this flyer I want to invite you for the 2. summer school. The school will focus on software sensors. A soft sensor is not a sensor based on physical hardware, but a dependency simulation of variables that can be measured in situ to a target variable that has been precisely determined in the laboratory. This means that the target variable is not measured directly, but calculated using correlated measured variables and a correlation model based on different methods.	12.00 13.00-14.30	<text></text>	9.00-10.00	Controller based approaches Extensions for nonlinear systems: high gain observer, extended Luenberger observer
	14.30-15.00 15.00-16.00		10.00-10.30	Coffee Break
			10.30-12.00	Matlab exercise observers (2)
			12.00-13.00	Lunch
			13.00-14.30 Stochastic appr Kalman Filter fo Extended Kalm unscented Kaln	Stochastic approaches Kalman Filter for linear systems Extended Kalman filter and unscented Kalman filter
I am very happy that Prof. Mangold from the University of Applied Sciences in Bingen will give us an introduction into this topic. He is a well known expert in this field.				Particle filters
			14.30-15.00	Coffee break
			15.00-16.30	Matlab exercise stochastic filters
We will meet this year in Braunschweig and I want to thank the colleagues there who will organize the meeting.			16:30-17.00	Coffee Break
	16.00-16.30	Coffee break	17.00-18.00	Application example – Matlab implementation of a software Sensor for a CVD process based on a
I am looking forward to welcome you all in Braunschweig for our next exiting summer school.	16.30-17.30	Matlab exercise observers (1)		model with one property coordinate
	19.00	Common dinner	Wednesday, 19 th June 2024	
Prof. Hermann Nirschl			9.00-10.00	Hydrogen Campus Salzgitter
			10.00-12.00	Tour through the automation by Bosch
			12.15	Lunch

SPP • Institute of Mechanical Process Engineering