

M^3 Seminar 2018

Organizers:	Tamim Asfour (KIT Karlsruhe)
	Syn Schmitt (Uni Stuttgart)
	Daniel Häufle (University of Tübingen)
Guest speakers:	Alexander Spröwitz , Max Planck Institute for Intelligent Systems, Stuttgart/Tübingen
	Winfried Ilg , Computational Sensomotrics, University of Tübingen

Agenda

Tuesday, 08.05.2018, Karlsruhe

Location	Adenauerring 2 (Gebäude 50.20), 76131 Karlsruhe	
Web site	http://h2t.anthropomatik.kit.edu/530.php	
Time	Speaker	Topic
10:00	Tamim Asfour	Start of the Seminar and Introduction
10:30	Tamim Asfour	Humanoid Robotics Research
13:00	Lunch	
14:00	Lab Tour and presentation of the project topics with „hands on“ examples	
16:30	Proposition of seminar projects and conclusion	

Wednesday, 09.05.2018, Stuttgart

Auditorium Location	Seminarraum, Allmandring 30, 70569 Stuttgart	Google Maps
	Footpath from S-Bahn station University	
Lab Location	Room 00.062, Nobelstraße 15, 70569 Stuttgart	Google Maps
Web site	Biomechanics and Biorobotics Group	
Time	Speaker	Topic
10:00	Syn Schmitt	Introduction to human motion research
11:00	Oleksandr Martynenko	Active human models for applications in ergonomics and safety
12:00	Alexander Spröwitz	Dynamic Locomotion (Guest speaker, MPI Stuttgart)
13:00	Lunch	
14:00	Simon Wolfen	Lab Visit
15:00	Fabian Neininger	Modelling and simulation of biomechanical systems
16:00	Proposition of seminar projects and conclusion	

Thursday, 11.05.2018, Tübingen

Location	Otfried-Müller Str. 25, 72076 Tübingen
Parking	If you come by car, there are parking spots at the side of the main road (Schnarrenbergstr.)
Web site	https://www.hih-tuebingen.de/mocom

Time	Speaker	Topic
10:15	Daniel Häufle	Introduction (we will start a bit later considering train travel times)
10:30	Daniel Häufle	Role of biomechanics in movement control
11:30	Winfried Ilg	Neurodegenerative diseases and motor control
12:45	Lunch	
14:00	Oliver Rettig	Guest Speaker
15:15	Winfried Ilg	Lab Visit
16:00	Proposition of seminar projects and conclusion	

Modalities

Students are required to:

- participate in the three seminar days
- work in groups on one project for four weeks
- create a wiki project report with a podcast video **deadline: four weeks after beginning of the project**

Project proposals

Projects offered by KIT	Contact	Main Location
		Karlsruhe

Projects offered by Uni Stuttgart	Contact	Main location
Active Dummy: active muscle modelling with finite elements	Oleksandr Martynenko	U Stuttgart
Synthetic Psychology: motion control for robots	Fabian Neining	U Stuttgart
Ataro: arm-robot control	Simon Wolfen	U Stuttgart

Projects offered by Uni Tübingen	Contact	Main location
Musculo-Skeletal modeling: arm movements	Daniel Häufle	U Tübingen
Neuronal control modeling: hopping	Daniel Häufle	U Tübingen

If you are interested in one of our project topics, please contact the respective supervisor(s) to schedule a date!

M³ Seminar [main page](#).

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Last update: **2018/05/04 17:18**

