Course EIT-LRS-513-K-7

RCS Project Lab (5L, 5.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study	
5	L	Laboratory course	5.0 CP	60 h	90 h
(5L)			**5.0 CP**	**60 h**	**90 h**

Basedata

SWS	5L
CP, Effort	5.0 CP = 150 h
Position of the semester	1 Sem. in WiSe/SuSe
Level	[7] Master (Advanced)
Language	[EN] English
Lecturers	Görges, Daniel, apl. Prof. Dr.-Ing. (EXT | DEPT: EIT) (/staff/618/) Liu, Steven, Prof. Dr.-Ing. (PROF | DEPT: EIT) (/staff/345/) Zhang, Ping, Prof. Dr.-Ing. (PROF | DEPT: EIT) (/staff/351/)
Area of study	[EIT-LRS] Control Systems
Livecycle-State	[NORM] Active

Contents

- Design, simulation, implementation of an advanced control for a power electronic system/Liu
- Design, simulation, implementation of an advanced control for a mechatronic system/Liu
- Design, simulation, implementation of a vehicular control system/Görges
- Design, simulation, implementation of an advanced control for the inverted pendulum /Zhang

Literature

will be announced in the lab

Materials

Project instruction book

Registration

See homepage Control Systems Group

Requirements for attendance (informal)

Modules:

- [EIT-AUT-453-M-7] Methods of Soft Control (M, 3.0 LP) (/mhb/modules/EIT-AUT-453-M-7/)
- [EIT-LRS-432-M-4] CAE in Control Engineering (M, 4.0 LP) (/mhb/modules/EIT-LRS-432-M-4/)
- [EIT-LRS-505-M-7] Nonlinear and Adaptive Control (M, 5.0 LP) (/mhb/modules/EIT-LRS-505-M-7/)
- [EIT-LRS-509-M-7] Control in Power Electronics (M, 3.0 LP, ANL) (/mhb/modules/EIT-LRS-509-M-7/)

Requirements for attendance (formal)

None

References to Course [EIT-LRS-513-K-7]

Module	Name	Context	
[EIT-LRS-513-M-7 (/mhb/modules/EIT-LRS-513-M-7/)]	RCS Project Lab	P: Obligatory	5L, 5.0 LP