

Schedule Power Network Planning and Operation

Location: Building. 02 – Room 109

Time: 13:15 to 14:45

Lecturer: Prof. Dr.-Ing. habil. Martin Wolter

Content:

- Introduction to the tasks of network planning and system operation
- Equation systems to describe steady-state and quasi-steady-state problems in electric power networks
- Grid modeling using modal component systems
- Basic algorithms of power flow, short-circuit and stability calculations as well as state estimation
- Introduction to power grid modelling with MATLAB

No.	date	topic	Exercise
1	11.10.2016	Introduction to Power System Planning and Operation	
2	18.10.2016		
3	25.10.2016		
4	01.11.2016	Modal components	1
5	08.11.2016	Equipment modelling	
6	15.11.2016	Grid equations	2
7	22.11.2016		
8	29.11.2016	Power Flow Calculation I	
9	06.12.2016	Power Flow Calculation II	3
10	13.12.2016	state estimation	4
11	20.12.2016		
12	27.12.2016		
13	03.01.2017	Stability	
14	10.01.2017	short-circuit calculation	5
15	17.01.2017	Modelling of faults	
16	24.01.2017	Seminar Power Flow Calculation and Repetition	