

Schedule Power Network Planning and Operation

Location: Building 16 – Room 215

Time: 13:15 to 14:45 Uhr

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

Nr.	Datum	Thema
1	10.10.2017	Introduction to Power System Planning and Operation
2	17.10.2017	Modal components
3	24.10.2017	Equipment modelling I
4	31.10.2017	- reformation day -
5	07.11.2017	Equipment modelling II and grid equations
6	14.11.2017	Power Flow Calculation I
7	21.11.2017	Power Flow Calculation II
8	28.11.2017	Seminar Power Flow Calculation
9	05.12.2017	state estimation
10	12.12.2017	short-circuit calculation
11	19.12.2017	Modelling of faults
12	26.12.2017	- Christmas Holiday -
13	02.01.2018	- Christmas Holiday -
14	09.01.2018	Stability I
15	16.01.2018	Stability II
16	23.01.2018	Repetition and exam preparation