

Schedule of the lecture **Digital Protection of Power Networks**

Location: online (Zoom) / hybrid

Time: Tuesday, 13:15 am to 14:45 pm

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

Content:

Nr.	Datum	Thema
1	05.04.2022	Basic concepts and requirements of power system protection
2	12.04.2022	Protection and measurement transducers
3	19.04.2022	Protection criteria and functions
4	26.04.2022	Protection of HV and MV lines (fuses, overcurrent protection)
5	03.05.2022	-- no lecture --
6	10.05.2022	Protection of HV and MV lines (distance protection, ground fault protection)
7	17.05.2022	Protection of power transformers, generators, motors and busbars
8	24.05.2022	Signal conditioning for digital protection (analog filters, sampling, A/D conversion)
9	31.05.2022	Digital filters (IIR, FIR)
10	07.06.2022	Signal magnitude calculation
11	14.06.2022	Calculation of other protection quantities
12	21.06.2022	Decision making and logic in protection devices
13	28.06.2022	Adaptive and intelligent protection systems
14	05.07.2022	Intelligent protection systems - examples