

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

Location: online (Zoom) / hybrid

Time: Tuesday, 02:15 pm to 04:45 pm (3 x 45 mins, 2 short breaks)

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

Content:

Nr.	Datum	Thema
1	23.04.2024	Basic concepts and requirements of power system protection, protection and measurement transducers
2	07.05.2024	Protection criteria and functions
3	14.05.2024	Protection of HV and MV lines (fuses, overcurrent protection)
4	21.05.2024	Protection of HV and MV lines (distance protection, ground fault protection)
5	28.05.2024	Protection of power transformers, generators, motors and busbars
6	04.06.2024	Signal conditioning for digital protection (analog filters, sampling, A/D conversion), digital filters (IIR, FIR)
7	11.06.2024	Signal magnitude calculation, calculation of other protection quantities
8	18.06.2024	Decision making and logic in protection devices
9	25.06.2024	Adaptive and intelligent protection systems, intelligent protection systems - examples