

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

Location: online (Zoom) / hybrid

Time: Tuesday, 15:00 am to 16:45 pm (2 x 45 mins, 1 break)

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

Contents:

Nr.	Datum	Thema
1	08.04.2025	Basic concepts and requirements of power system protection
2	15.04.2025	Protection and measurement transducers
3	22.04.2025	Protection criteria and functions
4	29.04.2025	Protection of HV and MV lines (fuses, overcurrent protection)
5	06.05.2025	Protection of HV and MV lines (distance protection, ground fault protection)
6	13.05.2025	Protection of power transformers, generators, motors and busbars
7	20.05.2025	Signal conditioning for digital protection (analog filters, sampling, A/D conversion)
8	27.05.2025	Digital filters (IIR, FIR)
9	03.06.2025	Signal magnitude calculation
10	10.06.2025	Calculation of other protection quantities
11	17.06.2025	Decision making and logic in protection devices
12	24.06.2025	Wide-area protection schemes
13	01.07.2025	Adaptive and intelligent protection systems
14	08.07.2025	Intelligent protection systems - examples