Risikoanalyse bei elektromagnetischer Beeinflussung

CONTENT OF THE LECTURE
- Fundamentals and methods of risk analysis
- Basic design and technology of IEMI sources (e.g., VIRCATOR, Magnetron, Klystron, ...)
- Modelling of IEMI threat scenarios
- EMI effects on electric systems
- Protective measure
- Discussion and assessment of the risk for critical infrastructures
- Case studies on a generic infrastructure

PREVIOUS KNOWLEDGE
- None.

A good understanding of physical-scientific relations is helpful.