

Elektrotechnik-Elektronik-Informationstechnik

EEI KOLLOQUIUM

Microgrids for Grid Resilience

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Cauerstrasse 4, Haus 1, Raum 1.172

Session Chair: Prof. Dr.-Ing. J. Jäger

Resilience against major disasters, such as major hurricanes or earthquakes, is considered as an essential characteristic of the future smart distribution systems. This seminar will introduce a resilience-oriented method using microgrids as emergency sources to serve critical load when the utility power is unavailable. Technical issues, including dynamic response of distributed generators, scarcity of generation resources, and uncertainties introduced by renewables, will be addressed. Future work on achieving a resilient distribution system will be discussed.