



Microgrid Technology Elective Course

What is a microgrid course?

The course details the fundamental concepts of microgrid and its components, types of microgrids, advantages of microgrid compared to the central conventional grid. Particularly the course describes general concepts and application, control strategies and principle of operation of DC microgrid.

What are the best books on microgrids?

1. Fusheng Li, Ruisheng Li, Fengquan Zhou, Microgrid Technology and Engineering Application, Elsevier, 2015
2. S. Chowdhury, P. Crossley, Microgrids and Active Distribution Networks, Institution of Engineering and Technology, 2009
3. Nikos Hatziargyriou, Microgrids Architectures and Control John Wiley Sons, 2014
4.

What are the prerequisites for smart grid?

Prerequisites: ECE 5380/ECE6305 or consent of the instructor Basic of Smart Grid, Definition and Applications.

What is the PES task force on microgrid stability?

He has also led the award-winning IEEE Power and Energy Society (PES) Task Force on microgrid stability, an international coalition of 21 researchers from 14 institutions investigating stability issues in microgrids.

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