北京大学
Peking University

报告地点：　　线上报告
时间: 10月25日 10:00-11:30
腾讯会议ID：　677-058-937

COOL RESEARCH

系列报告第二讲

Speaker: Xiangqi Zhu (National Renewable Energy Laboratory)

Tittle: Distributed System Solutions Enabling DERs to Improve Grid Resilience

Control, Optimization, Operations research, and Learning（COOL）Research Seminar是由北大工学院相关领域的几位老师发起，旨在为国内外青年学者提供一个交流平台，分享和探讨最新最有趣的研究成果，促进领域内和跨领域沟通学习，推动前沿理论的发展。

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COOL RESEARCH 系列报告第二讲

Distributed System Solutions Enabling DERs to Improve Grid Resilience

Abstract: Distributed Energy Resources (DERs) such as roof-top solar Photovoltaic (PV), building controllable loads, and electric vehicles, have huge potential to participate grid services to improve grid resilience and reliability. To reveal their great value, it's important to understand their flexibility and enable the grid to take advantage of the flexibility. In this talk, I will present the power distribution system solutions which help the grid operators estimate DER flexibility and enable the DERs on the power distribution systems to improve grid resilience.

Speaker: Xiangqi Zhu (National Renewable Energy Laboratory)

Biography: Dr. Xiangqi Zhu received her B.S. degree in electrical engineering from Shandong University, Jinan, China, in 2013 and her Ph.D. degree in electrical engineering from North Carolina State University, Raleigh, NC, USA, in 2017. Since 2017, she has been working as a researcher with the Power Systems Engineering Center, National Renewable Energy Laboratory, Golden, CO, USA. Her research interests include modeling, analysis, and control of power distribution system, electric vehicle and renewable energy grid integration and management, and grid resilience.

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