

Control and optimization methods for electric smart grids

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20418402&lokasi=lokal>

Abstrak

Control and optimization methods for electric smart grids brings together leading experts in power, control and communication systems, and consolidates some of the most promising recent research in smart grid modeling, control and optimization in hopes of laying the foundation for future advances in this critical field of study. The contents comprise eighteen essays addressing wide varieties of control-theoretic problems for tomorrow's power grid. Topics covered include control architectures for power system networks with large-scale penetration of renewable energy and plug-in vehicles, optimal demand response, new modeling methods for electricity markets, cyber-security, data analysis and wide-area control using synchronized phasor measurements.