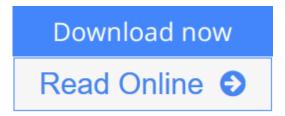


Application of Time-Synchronized Measurements in Power System Transmission Networks (Power Electronics and Power Systems)

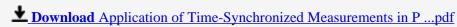
By Mladen Kezunovic, Sakis Meliopoulos, Vaithianathan Venkatasubramanian, Vijay Vittal



Application of Time-Synchronized Measurements in Power System

Transmission Networks (Power Electronics and Power Systems) By Mladen
Kezunovic, Sakis Meliopoulos, Vaithianathan Venkatasubramanian, Vijay Vittal

This book illuminates how synchrophasors achieve the monitoring, protection and control optimizations necessary to expand existing power systems to support increasing amounts of renewable and distributed energy resources. The authors describe synchrophasor techniques that can provide operators with better resolution in capturing dynamic behavior of the power grid. The resulting insights support improved real-time decision making in the face of more generation and load uncertainty, as well as interruptions caused by random acts of nature and malicious attacks. Armed with the information in this cutting-edge resource, grid planners and operators can make optimized, flexible, resilient power systems a reality.



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About the Author

Mladen Kezunovic is Eugene E. Webb Professor of Engineering at Texas A&M University.

Sakis Meliopoulos is Georgia Power Distinguished Professor of Engineering at Georgia Technical University.

Vaithianathan Venkatasubramanian is Professor of Electrical Engineering and Computer Science at Washington State University.

Vijay Vittal is Ira A. Fulton Chair Professor at School at Arizona State University.

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