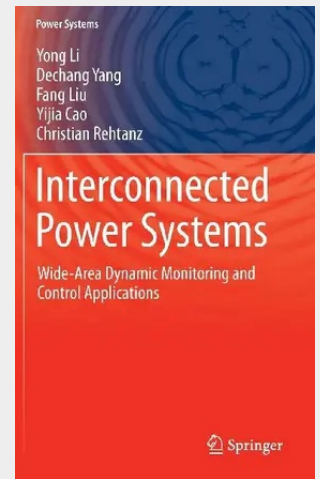


Interconnected Power Systems

Wide-Area Dynamic Monitoring and Control Applications

This book reports on the latest findings in the application of the wide area measurement systems (WAMS) in the analysis and control of power systems. The book collects new research ideas and achievements including a delay-dependent robust design method, a wide area robust coordination strategy, a hybrid assessment and choice method for wide area signals, a free-weighting matrices method and its application, as well as the online identification methods for low-frequency oscillations. The main original research results of this book are a comprehensive summary of the authors' latest six-year study. The book will be of interest to academic researchers, R&D engineers and graduate students in power systems who wish to learn the core principles, methods, algorithms, and applications of the WAMS.

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53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783662486252

Medium: Buch

ISBN: 978-3-662-48625-2

Verlag: Springer

Erscheinungstermin: 10.02.2016

Sprache(n): Englisch

Auflage: 1. Auflage 2016

Serie: Power Systems

Produktform: Gebunden

Gewicht: 4853 g

Seiten: 223

Format (B x H): 160 x 241 mm

