

Adaptive Voltage Control in Power Systems

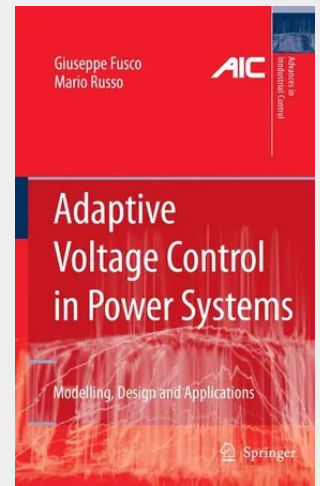
Modeling, Design and Applications

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A self-contained blend of theory and novel application, this book is a detailed treatment of self-tuning control schemes. The reader moves from power system modelling problems through illustrations of the main adaptive control systems to a detailed description of design methods: Kalman filtering, parameter-identification algorithms and discrete-time controller design are all represented. Case studies address applications issues in the implementation of adaptive voltage control.

Practicing engineers and researchers in power systems and control engineering will find this monograph, written by researchers from each field, to be a valuable synthesis of both, while its accessible style will also appeal to graduate students.

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