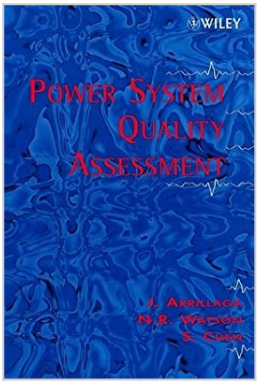

Power System Quality Assessment

By Jos Arrillaga, Neville R. Watson, S. Chen

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This is a comprehensive and timely volume on power quality assessment and system reliability, a topic of increasing importance because of the dependence of modern life upon the continuous supply of electrical energy. Effective prediction and monitoring of voltage and current waveforms has become critical and this indispensable book introduces power engineers to the state of the art in power quality assessment and also covers system simulation and signal detection.

Features include:

* Comprehensive analysis of the main power quality problems and review of power quality standards

* Examination of computer methods in use for power system simulation at harmonic frequencies

* Discussion of modern signal processing techniques and their application to power quality instrumentation

* Combination of continuous real-time monitoring and system simulation to achieve global power quality estimation and locate the main distorting sources.

Practising engineers involved in power system design and operation will find this a valuable reference. Postgraduates and researchers studying power systems and power electronics will appreciate the clear and comprehensive coverage of the latest analytical techniques.

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- 312 pages

Editorial Review

Review
"Practising engineers involved in power systems design and operation will find this a valuable reference." (European Power Electronics & Drives Journal, September 2001)

From the Back Cover
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