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Interest in power systems economics is gaining momentum with the recent power supply shortages in America and the rising cost of fossil fuels. The involvement of independent power generators, brokers and distributors has changed the way in which power systems operate. Kirschen and Strbac use a combination of traditional engineering techniques and fundamental ...

Christoph Weber is a Full Professor of Management Sciences and Energy Economics at the University of Duisburg-Essen, Germany. With a background in Mechanical Engineering and a Ph.D. in Economics, his main research interests are in electricity markets, risk and sustainable energy systems, and the use of operations research methods in connection with energy.

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The involvement of independent power generators, brokers and distributors has changed the way in which power systems operate. Kirschen and Strbac use a combination of traditional engineering techniques and fundamental economics to address the long-term problems of power system development in a competitive environment.

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His research focuses on smart grids, the integration of renewable energy sources in the grid, power system economics and power system security. He is the author of three books and over one hundred and fifty scientific papers. Dr Kirschen is a Fellow of the IEEE and of the Chinese Society for Electrical Engineering.

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Electric Power System Fundamentals, Savador Acha Daza. (2016). This comprehensive resource presents the fundamentals of power systems, including the theory, practical steps, and methods used in the design and management of energy systems. Energy Storage: Systems and Components, Alfred Rufer. (2018).

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