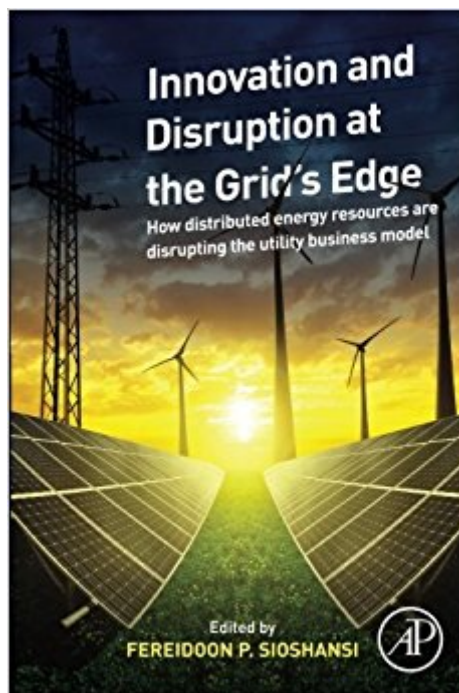




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Innovation And Disruption At The Grid's Edge: How Distributed Energy Resources Are Disrupting The Utility Business Model



Synopsis

Innovation and Disruption at the Grid's Edge examines the viable developments in peer-to-peer transactions enabled by open platforms on the grid's edge. With consumers and prosumers using more electronic platforms to trade surplus electricity from rooftop solar panels, share a storage battery, or use smart gadgets that manage load and self-generation, the grid's edge is becoming crowded. The book examines the growing number of consumers engaging in self-generation and storage, and analyzes the underlying causes and drivers of change, as well as the implications of how the utility sector—particularly the distribution network—should/could be regulated. The book also explores how tariffs are set and revenues are collected to cover both fixed and variable costs in a sustainable way. This reference is useful for anyone interested in the areas of energy generation and regulation, especially stakeholders engaged in the generation, transmission, and distribution of power. Examines the new players that will disrupt the energy grid markets. Offers unique coverage of an emerging and unpublished topic. Helps the reader understand up-to-date energy regulations and pricing innovations.

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Dr. Fereidoon Sioshansi is President of Menlo Energy Economics, a consulting firm based in San Francisco with over 35 years of experience in the electric power sector working in analysis of energy markets, specializing in the policy, regulatory, technical and environmental aspects of the electric power sector in the US and internationally. His research and professional interests are

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