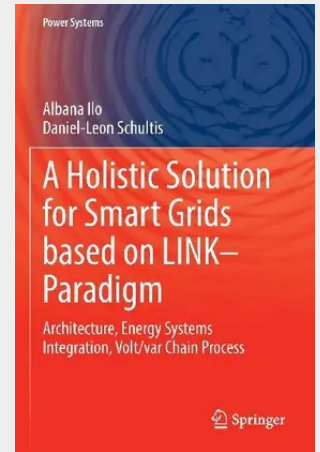


A Holistic Solution for Smart Grids based on LINK-Paradigm

This book presents a holistic solution for Smart Grids that includes the electricity: producers, electricity storages, grids, market and customer plants. The authors have derived the architectural paradigm for Smart Grids *LINK* from the signature of their fractal structure. The presented *LINK*-based holistic architecture enables the large-scale integration of distributed energy resources by minimising the data to be exchanged, thus considering privacy and cyber security by design. The straightforwardness of *LINK*-Solution is related to its standardised structures, enabling the coupling of energy and non-energy sectors and Energy Communities. The Volt/var chain control as one of the most challenging operation processes of Smart Grids is covered in detail in this edition.

Chapter by chapter, the reader is smoothly introduced to this unique solution, facilitating its practical implementation. This book is a valuable resource for experts, consultants, engineers, scientists, and students in the Smart Grids area and actors of the electricity market and politicians.

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