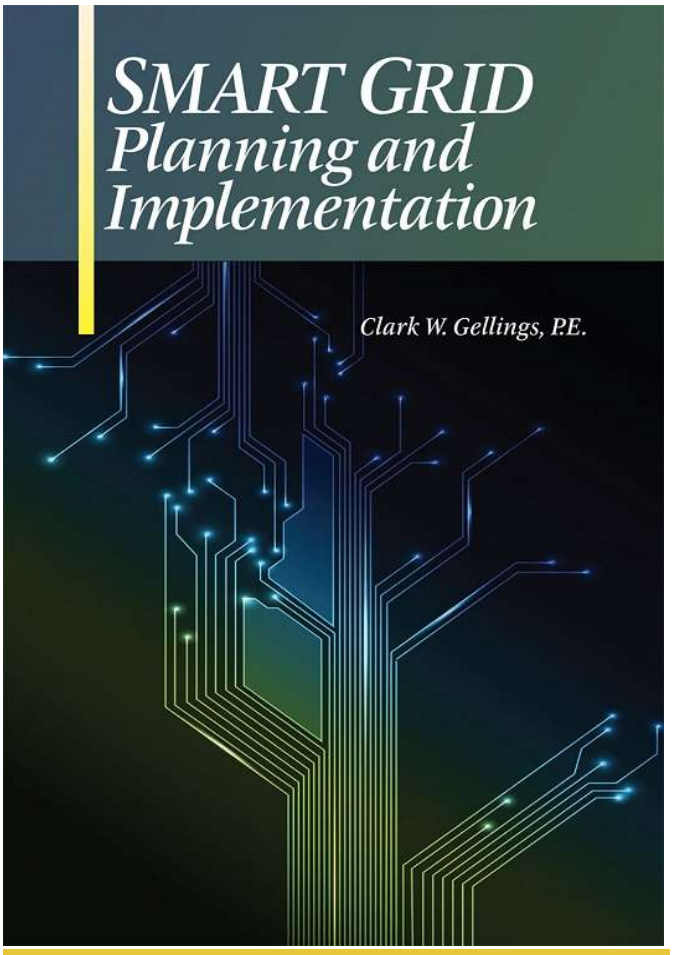
River Publishers

Smart Grid Planning and Implementation

Author: Clark W. Gellings, P.E.

This book is intended for electric utility managers, directors, and power system planners, regulators, and policy makers interested in the steps needed to realize the value of a modern power delivery system. This book describes the elements needed in planning and implementing a "Smart Grid" by outlining how the electricity delivery system can be modernized so it monitors, protects, and automatically optimizes the operation of its interconnected elements—from the central and distributed generator through the high-voltage network and distribution system, to energy storage installations and to end-use consumers and their thermostats, electric vehicles, appliances, and other household devices. This comprehensive guide highlights emerging concepts of cyber and physical security, resiliency, and the newest architecture—"The Integrated Grid." You'll gain an understanding of how a two-way flow of electricity and information can be used to create an automated, widely distributed energy delivery network.



River Publishers Series in Power

ISBN: 9781498747813
e-ISBN: 9788770223270
Available From: October 2015
Price: $ 170.00

www.riverpublishers.com
marketing@riverpublishers.com