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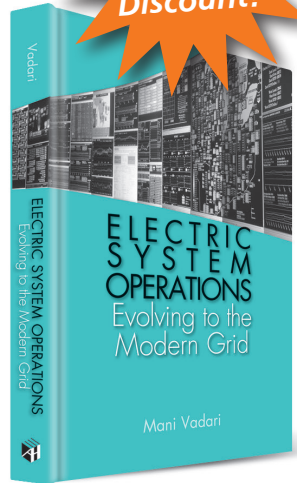
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Electric System Operations Evolving to the Modern Grid

Subramanian (Mani) Vadari,
President, Modern Grid Solutions

"In the past 10 years, electric systems operations has become vastly more complex, and vastly more important, as the nation's power grid evolves towards an interconnected 'smart grid.' Here is the first book to grapple with these new complexities, written by one of the smart grid's true pioneers and true experts."

— Jesse Berst, Chairman, Smart Cities Council



This timely resource offers you an insightful perspective on electric systems operations, revealing how this area is critical to your utility's ability to provide reliable power to customers. The book presents a thorough definition of system operations, identifying and explaining the various systems that support this function and how they integrate into the utility. Geared to both power system engineers and business managers, this first-of-its-kind book:

- Explains how your utility's network operation is a key contributor to the viable sustainment of your business;
- Examines the convergence of systems used in the grid operations of today and addresses the emerging needs of smart grid operations of tomorrow;
- Shows how effective system operations help to ensure the right levels of safety, reliability and efficiency in everything that relates to transmission and distribution grid management;
- Discusses important technologically intensive systems—like EMS, DMS, and OMS—that function inside the control center;
- Introduces DEMS—an emerging system which has been designed to help utilities provide better services to customers, and enable customers to become an integral part of the overall utility system.

Hardcover • 276 pp. • 2012 • ISBN 978-1-60807-549-2 • \$109 • £87

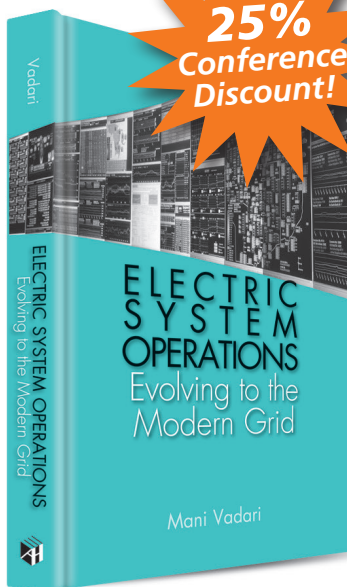
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Subramanian Vadari is the president of Modern Grid Solutions in Sammamish, Washington. In addition, as the director of sector services at the Smart Cities Council, Dr. Vadari is responsible for producing Smart Cities Readiness Guide workshops and providing city assessment and other related Smart Cities services. A Senior Member of the IEEE, Dr. Vadari holds an M.S.E.E. and Ph.D. in electrical engineering, both from the University of Washington in Seattle.

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