



Advanced technologies for future transmission grids /

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editor

E-books Electronic books

Monografía

"The re-engineering of power transmission systems is crucial to meeting the objectives of such regulators as the European Union. In addition to its market, organisational and regulatory aspects, this re-engineering will also involve technical issues dealing with the progressive integration of innovative transmission technologies in the daily operation of transmission system operators. In this context, Advanced Technologies for Future Transmission Grids provides an overview of the most promising technologies, likely to be of help to planners of transmission grids in responding to the challenges of the future: security of supply; integration of renewable generation; and creation of integrated energy markets (using the European case as an example). These issues have increased importance because of administrative complication and the fragmentation of public opinion expressed on the build up of new infrastructure. For each technology discussed, the focus is on the technical-economic perspective rather than on purely technological points of view. A transmission-system-operator-targeted Technology Roadmap is presented for the integration of promising innovative power transmission technologies within power systems of the mid-long term. Although the primary focus of this text is in the sphere of the European energy market, the lessons learned can be generalized to the energy markets of other regions"--Provided by publisher

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Título: Advanced technologies for future transmission grids Gianluigi Migliavacca, editor

Editorial: London New York Springer [2013] ©2013

Descripción física: 1 online resource (396 pages) illustrations, maps

Mención de serie: Power systems

Bibliografía: Includes bibliographical references and index

Contenido: 1. A Midterm Road Map for Advanced Technologies Integration in Transmission Networks / S. Galant [and others] -- 2. Innovative Cables / Ernesto Zaccone -- 3. Real-time thermal rating (RTTR) systems / Roberto Gaspari -- 4. Flexible alternating current transmission systems (FACTS) devices / Helder Lopes Ferreira [and others] -- 5. High-voltage direct-current transmission / Sven Ruberg [and others] -- 6. Coordination methods for power flow controlling devices / Ulf Hager -- 7. Electricity storage: a new flexibility option for future power systems / S. Galant, E. Peirano, L. Debarberis -- Erratum -- Appendix

Lengua: English

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ISBN: 9781447145493 electronic bk.) 1447145496 electronic bk.) 9781283933391 MyiLibrary) 128393339X MyiLibrary) 9781447145486 cloth) 1447145488 cloth)

Materia: Electric power transmission TECHNOLOGY & ENGINEERING- Electrical. Electric power transmission.

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Enlace a formato físico adicional: Print version Advanced Technologies for Future Transmission Grids. Springer, 2013 9781447145486 (OCoLC)805044501

Punto acceso adicional serie-Título: Power systems

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