1. Record Nr. UNINA9910555154203321 Autore Acha Enrique Titolo Vsc-Facts-hvdc: analysis, modelling and simulation in power grids // Enrique Acha [and three others] [Place of publication not identified]:,: Wiley,, [2019] Pubbl/distr/stampa **ISBN** 1-119-19074-6 1-118-96584-1 1-118-96580-9 Descrizione fisica 1 online resource (416 pages) Disciplina 621.319 Soggetti Smart power grids Flexible AC transmission systems Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Sommario/riassunto "Addresses new FACT power system application areas that have emerged over the past five years, including state estimation, constrained optimal power flow (OPF), and harmonic penetration -Presents studies of FACTS dynamic performance and control, and the exploitation of phasor measurement units (PMU) which are considered to be one of the most important future devices for advanced FACTS monitoring, analysis and control - Facilitates hands-on experience in modelling, analysis and simulation of electrical power networks with FACTS-HVDC-VSC equipment, by providing MATLAB routines and suitable data with each new model and application area presented in

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