

1. Record Nr.	UNINA9910709855703321
Autore	Busciglio Henry H.
Titolo	Predicting land navigation performance in the Special Forces qualification course // Henry H. Busciglio and Martha L. Teplitzky
Pubbl/distr/stampa	Alexandria, Virginia : , : U.S. Army Research Institute for the Behavioral and Social Sciences [Washington, D.C.] : , : Office, Deputy Chief of Staff for Personnel, Department of the Army, , October 1994
Descrizione fisica	1 online resource (x, 25, A-4 pages)
Collana	Technical report ; ; 1015
Soggetti	Soldiers - Training of - United States Orientation Map reading Military geography Soldiers - Training of Technical reports. United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"October 1994." "Performing Organization: U.S. Army Research Institute for the Behavioral and Social Sciences"--Report documentation page.
Nota di bibliografia	Includes bibliographical references (pages 23-25).

2. Record Nr.	UNINA9910139992503321
Autore	Keyhani Ali <1942->
Titolo	Integration of green and renewable energy in electric power systems / / Ali Keyhani, Mohammad N. Marwali, Min Dai
Pubbl/distr/stampa	Hoboken, N.J. : Wiley, c2010
ISBN	9786612455315 9781282455313 1282455311 9780470556771 0470556773 9780470556764 0470556765
Descrizione fisica	1 online resource (xi, 313 p.) : ill
Altri autori (Persone)	MarwaliM DaiMin
Disciplina	621.31/21
Soggetti	Distributed generation of electric power Electric current converters Renewable energy sources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Smart Grid Distributed Generation Systems -- 2 Inverter Control Voltage and Current in Distributed Generation Systems -- 3 Parallel Operation of Inverters in Distributed Generation Systems -- 4 Power Converter Topologies for Distributed Generation Systems -- 5 Voltage and Current Control of a Three-Phase Four-Wire Distributed Generation (DG) Inverter in Island Mode -- 6 Power Flow Control of a Single Distributed Generation Unit -- 7 Robust Stability Analysis of Voltage and Current Control for Distributed Generation Systems -- 8 PWM Rectifier Control for Three-Phase Distributed Generation System -- 9 MATLAB Simulink Simulation Testbed -- Appendix A: Simulink Model Dsimservo.Mdl -- Appendix B: File Ssmodel.M -- Bibliography -- Index.
Sommario/riassunto	A practical, application-oriented text that presents analytical results for the better modeling and control of power converters in the integration

of green energy in electric power systems. The combined technology of power semiconductor switching devices, pulse width modulation algorithms, and control theories are being further developed along with the performance improvement of power semiconductors and microprocessors so that more efficient, reliable, and cheaper electric energy conversion can be achieved within the next decade. Integration of Green and Renewable Energy in Electric Power Systems covers the principles, analysis, and synthesis of closed loop control of pulse width modulated converters in power electronics systems, with special application emphasis on distributed generation systems and uninterruptible power supplies. The authors present two versions of a documented simulation test bed for homework problems and projects based on Matlab/Simulink, designed to help readers understand the content through simulations. The first consists of a number of problems and projects for classroom teaching convenience and learning. The second is based on the most recent work in control of power converters for the research of practicing engineers and industry researchers. Addresses a combination of the latest developments in control technology of pulse width modulation algorithms and digital control methods; Problems and projects have detailed mathematical modeling, control design, solution steps, and results; Uses a significant number of tables, circuit and block diagrams, and waveform plots with well-designed, class-tested problems/solutions and projects designed for the best teaching-learning interaction; Provides computer simulation programs as examples for ease of understanding and platforms for the projects. Covering major power-conversion applications that help professionals from a variety of industries, Integration of Green and Renewable Energy in Electric Power Systems provides practical, application-oriented system analysis and synthesis that is instructional and inspiring for practicing electrical engineers and researchers as well as undergraduate and graduate students.
