1. Record Nr. UNINA9910828167803321

Titolo	Teaching interculturally : a framework for integrating disciplinary knowledge and intercultural development / / Amy Lee [and three others] ; foreword by Peter Felten
Pubbl/distr/stampa	Sterling, Virginia : , : Stylus, , 2017 ©2017
ISBN	1-00-344739-2 1-000-97253-4 1-003-44739-2 1-62036-381-X
Descrizione fisica	1 online resource (140 pages) : illustrations
Disciplina	370.117
Soggetti	Multicultural education - United States College teaching - Social aspects - United States Education, Higher - Social aspects - United States Multicultural education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr. UNINA9911004738303321

Autore	Jenkins N
Titolo	Distributed generation / / N. Jenkins, J.B. Ekanayake and G. Strbac
Pubbl/distr/stampa	Herts, U.K., : Institution of Engineering and Technology, 2010
ISBN	1-61344-315-3 1-283-25340-2 9786613253408 1-84919-116-6
Descrizione fisica	1 online resource (294 p.)
Collana	Renewable energy series ; ; 1
Classificazione	ERG 025f
Altri autori (Persone)	EkanayakeJ. B StrbacG
Disciplina	621.31 621.3121
Soggetti	Cogeneration of electric power and heat Power resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; About the Authors; 1. Introduction; 1.1 The development of the electrical power system; 1.2 Value of distributed generation and network pricing; 1.3 SmartGrids; 1.4 Reasons for distributed generation; 1.5 The future development of distributed generation; 1.6 Distributed generation and the distribution system; 1.7 Technical impacts of generation on the distribution system; 1.8 Economic impact of distributed generation on the distribution system; 1.9 Impact of distributed generation on the transmission system; 1.10 Impact of distributed generation on central generation References2. Distributed generation plant; 2.1 Introduction; 2.2 Combined heat and power plants; 2.3 Renewable energy generation; 2.4 Summary; References; 3. Distributed generators and their connection to the system; 3.1 Introduction; 3.2 Distributed generators; 3.3 System studies; 3.4 Case studies; A3.1 Appendix: Unbalanced faults; References; 4. Fault currents and electrical protection; 4.1 Introduction; 4.2 Fault current from distributed generators; 4.3 Fault current limiters; 4.4 Protection of distributed generation 4.5 Impact of distributed generation on existing distribution system

protectionA4.1 Appendix; References; 5. Integration of distributed generation in electricity system planning; 5.1 Introduction; 5.2 Distributed generation and adequacy of supply; 5.3 Impact of distributed generation on network design; References; 6. Pricing of distribution netowrks with distributed generation; 6.1 Introduction; 6.2 Primary objectives of network pricing in a competitive environment; 6.3 A review of network investment cost drivers; 6.4 Evaluating distribution use-of-system charvse (DUoS charges)
6.5 Illustration of the principles of evaluating DUoS charges in networks with distributed generationReferences; 7. Distributed generation and future network architectures; 7.1 Introduction; 7.2 Active network management; 7.3 Virtual power plants; 7.4 MicroGrids; References; Tutorial I: AC electrical systems; I.1 Introduction; I.2 Alternating current (AC); I.3 Root mean square value of voltage and current; I.4 Phasor representation of AC quanities; I.5 Resistors, inductors and capacitors on AC circuits; I.6 Power in AC circuits; I.7 Generation of three-phase voltages
I.8 Connection of three-phase windingsI.9 Connection of loads; I.10 Three-phase four-wire system; I.11 Three-phase delta-connected three-wire system; I.12 Power in three-phase system; I.13 Problems; I. 14 Further reading; Tutorial II: AC machines; II.1 Introduction; II.2 Synchronous machines; II.3 Induction machines; II.4 Problems; II.5 Further reading; Tutorial III: Power electronics; III.1 Introduction; III.2 Conductors, insulators and semiconductors; III.3 PN Junction; III.4 Diode; III.5 Switching devices; III.6 Voltage source inverters; III.7 Problems; III.8 Further reading
Tutorial IV: Power systems

Sommario/riassunto

Discussing the connection of generation to distribution networks and considers how sustainable generation can be fully integrated to the power system.