

1. Record Nr.	UNINA9910778854803321
Autore	Bunker Matthew D
Titolo	Critiquing free speech [[electronic resource]] : First Amendment theory and the challenge of interdisciplinarity / / Matthew D. Bunker
Pubbl/distr/stampa	Mahwah, N.J., : Lawrence Erlbaum Associates, 2001
ISBN	1-135-65207-4 9786612323966 1-4106-0018-1 1-282-32396-2 0-585-38130-5
Descrizione fisica	1 online resource (232 p.)
Collana	LEA's communication series
Disciplina	342.730853
Soggetti	Freedom of speech - United States Interdisciplinary approach to knowledge
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 indexes.
Nota di contenuto	Book Cover; Title; Copyright; Contents; Preface; Introduction; CHAPTER 1 Classical First Amendment Theory; CHAPTER 2 Imperial Paradigms and Reductionism; CHAPTER 3 Stanley Fish, Literary Theory, and Freedom of Expression; CHAPTER 4 First Amendment Theory and Conceptions of the Self; CHAPTER 5 The Public-Private Distinction and the New Realism; CHAPTER 6 The Normative First Amendment; CHAPTER 7 Shall We Commit First Amendment Theory?; Author Index; Subject Index;
Sommario/riassunto	In this exceptional volume, Matthew D. Bunker explores the work of contemporary free speech critics and argues that, while at times these critics provide important lessons, many of their conclusions must be rejected. Moreover, Bunker suggests that we be w

2. Record Nr.	UNINA9910253987703321
Autore	Jiang John N
Titolo	Control and Operation of Grid-Connected Wind Farms : Major Issues, Contemporary Solutions, and Open Challenges / / by John N. Jiang, Choon Yik Tang, Rama G. Ramakumar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-39135-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (146 p.)
Collana	Advances in Industrial Control, , 1430-9491
Disciplina	621.312136
Soggetti	Renewable energy resources Automatic control Renewable and Green Energy Control and Systems Theory
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	Introduction -- Reconfigurable Wind Turbine Control Technology -- Voltage Regulation in Normal Operating Conditions -- Voltage Control During Contingencies -- Quick Frequency Response During Contingencies -- Coordinated Operation -- Wind-Farm Control 1 -- Wind-Farm Control 2 -- Concluding Remarks.
Sommario/riassunto	From the point of view of grid integration and operation, this monograph advances the subject of wind energy control from the individual-unit to the wind-farm level. The basic objectives and requirements for successful integration of wind energy with existing power grids are discussed, followed by an overview of the state of the art, proposed solutions and challenges yet to be resolved. At the individual-turbine level, a nonlinear controller based on feedback linearization, uncertainty estimation and gradient-based optimization is shown robustly to control both active and reactive power outputs of variable-speed turbines with doubly-fed induction generators. Heuristic coordination of the output of a wind farm, represented by a single equivalent turbine with energy storage to optimize and smooth the active power output is presented. A generic approximate model of wind turbine control developed using system identification techniques

is proposed to advance research and facilitate the treatment of control issues at the wind-farm level. A supervisory wind-farm controller is then introduced with a view to maximizing and regulating active power output under normal operating conditions and unusual contingencies. This helps to make the individual turbines cooperate in such a way that the overall output of the farm accurately tracks a reference and/or is statistically as smooth as possible to improve grid reliability. The text concludes with an overall discussion of the promise of advanced wind-farm control techniques in making wind an economic energy source and beneficial influence on grid performance. The challenges that warrant further research are succinctly enumerated. Control and Operation of Grid-Connected Wind Farms is primarily intended for researchers from a systems and control background wishing to apply their expertise to the area of wind-energy generation. At the same time, coverage of contemporary solutions to fundamental operational problems will benefit power/energy engineers endeavoring to promote wind as a reliable and clean source of electrical power. Advances in Industrial Control aims to report and encourage the transfer of technology in control engineering. The rapid development of control technology has an impact on all areas of the control discipline. The series offers an opportunity for researchers to present an extended exposition of new work in all aspects of industrial control.
