1. Record Nr. UNINA9910699550603321

Autore	Over Ann P
Titolo	A successful infusion process for enabling Lunar exploration technologies [[electronic resource] /] / Ann P. Over, Mark K. Klem, and Susan M. Motil ; prepared for the Space 2007 sponsored by the American Institute of Aeronautics and Astronautics, Long Beach, California, September 18-20, 2007
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2008]
Descrizione fisica	1 online resource (8 pages) : illustrations
Collana	NASA TM- ; ; 2008-215045
Altri autori (Persone)	KlemMark K MotilSusan M
Soggetti	Lunar exploration Constellation program Technology utilization Costs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 22, 2010). "January 2008." "AIAA-2007-6196."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNIORUON00448895

Autore	RAENGO, Alessandra
Titolo	On the sleeve of the visual : race as face value / Alessandra Raengo
Pubbl/distr/stampa	Hanover ((Usa), : Dartmouth College press, 2014
ISBN	978-15-8465-974-7
Descrizione fisica	XIII, 232 p. ; 24 cm.
Disciplina	305.896
Soggetti	Antropologia visuale NERI CULTURA
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. 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 as 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.