1. Record Nr. UNINA9910461500403321

Titolo	Social responsibility and sustainability [[electronic resource]] : multidisciplinary perspectives through service learning / / edited by Tracy McDonald ; foreword by Robert A. Corrigan
Pubbl/distr/stampa	Sterling, Va., : Stylus Pub., 2011
ISBN	1-57922-725-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (268 p.)
Collana	Service learning for civic engagement series
Altri autori (Persone)	McDonaldTracy <1956->
Disciplina	378.1/03
Soggetti	Service learning - United States Civics - Study and teaching (Higher) - United States Science - Study and teaching (Higher) - United States Education, Higher - Social aspects - United States College-school cooperation - United States Electronic books.
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	Cover; CONTENTS; ACKNOWLEDGMENTS; FOREWORD; ABOUT THIS SERIES; ACTIVITY/METHODOLOGY TABLE; CONTRIBUTORS; INTRODUCTION; SECTION ONE: ENVIRONMENTAL AWARENESS; 1. RECONNECTING TO LAND, PEOPLE, AND COMMUNITY: Ecological Lessons From the Puebla-Alberta Community Service Exchange; 2. INTEGRATING SUSTAINABILITY AND SERVICE LEARNING INTO THE SCIENCE CURRICULUM; 3. SUSTAINABILITY EDUCATION THROUGH AN INTERDISCIPLINARY AND SERVICE-LEARNING APPROACH; SECTION TWO: INCREASING CIVIC ENGAGEMENT; 4. WHAT'S THE MATTER WITH AMERICAN DEMOCRACY?: Responding by Embracing Civic Engagement and Sustainability 5. SUSTAINABILITY STARTS AT HOME: A Hybrid Service-Learning Model for Teaching Environmental Sustainability 6. LEARNING BY DOING ACROSS DISCIPLINES: Activism, Environmental Awareness, and Civic Engagement; 7. FROM WOLVES TO WIND POWER: Fostering Student Understanding of Science, Stewardship, and Civic Engagement; 8. MULTICULTURALISM AND SUSTAINABILITY EDUCATION: Engagement

	With Urban School Communities via Food and Learning Gardens; SECTION THREE: SUSTAINABILITY CONCEPTS IN BUSINESS AND ECONOMICS; 9. BUILDING BRIDGES AND SOCIAL CAPITAL THROUGH SERVICE LEARNING: A Blueprint Model 10. SUSTAINABLE DESIGN PRACTICES FOR THE SOCIAL ENTREPRENEURIAL BUSINESS 11. TEACHING SUSTAINABLE RURAL ECONOMIC DEVELOPMENT USING SERVICE-LEARNING PEDAGOGY; INDEX;
Sommario/riassunto	This concluding volume in the series presents the work of faculty who have been moved to make sustainability the focus of their work, and to use service learning as one method of teaching sustainability to their students. The opening section of this book offers models for opening students to the awareness of the ecological aspects of sustainability, and of the interdependence of the ecosystem with human decisions and behavior. Part II explores means for fostering commitment to community service and experiencing the capacity to effect change. Part III addresses sustainability within the business

2.

Record Nr.	UNINA9910707379203321
Autore	Nuedeck Philip G.
Titolo	Fast risetime reverse bias pulse failures in SiC PN junction diodes / / Philip G. Nuedeck, Christian Faziz, James D. Parsons
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Lewis Research Center, , June 1996
Descrizione fisica	1 online resource (6 pages) : illustrations
Collana	NASA technical memorandum ; ; 107256
Soggetti	P-n junctions Semiconductors (materials) Silicon carbides High temperature environments Bias Doped crystals Energy gaps (solid state)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Note generali	Title from title screen (viewed July 12, 2016). "June 1996"--Report documentation page. "Prepared for the Third International High Temperature Electronics Conference sponsored by the Sandia National Laboratories, Albuquerque, New Mexico, June 9-14, 1996." "Performing organization: National Aeronautics and Space Administration, Lewis Research Center"--Report documentation page.
Nota di bibliografia	Includes bibliographical references (page 6).

3. Record Nr. UNINA9910566478903321

Autore	Tjing Lie Tek
Titolo	AI Applications to Power Systems
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (156 p.)
Soggetti	History of engineering & technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Today, the flow of electricity is bidirectional, and not all electricity is centrally produced in large power plants. With the growing emergence of prosumers and microgrids, the amount of electricity produced by sources other than large, traditional power plants is ever-increasing. These alternative sources include photovoltaic (PV), wind turbine (WT), geothermal, and biomass renewable generation plants. Some renewable energy resources (solar PV and wind turbine generation) are highly dependent on natural processes and parameters (wind speed, wind direction, temperature, solar irradiation, humidity, etc.). Thus, the outputs are so stochastic in nature. New data-science-inspired real-time solutions are needed in order to co-develop digital twins of large intermittent renewable plants whose services can be globally delivered.