1. Record Nr. UNINA9910463939303321

Autore	Geri Laurance R.
Titolo	Energy Policy in the U.S. : Politics, Challenges, and Prospects for Change / / by Laurance R. Geri and David E. McNabb
Pubbl/distr/stampa	Boca Raton, FL : , : Routledge, , [2017] ©2011
ISBN	1-351-56830-2 1-315-09450-9 1-283-25750-5 9786613257505 1-4398-4190-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (318 p.)
Collana	Public administration and public policy ; ; 160
Disciplina	333.790973
Soggetti	Energy policy - United States Political planning - 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	Front Cover; Contents; List of Boxes; List of Figures; List of Tables; Preface; Acknowledgments; About the Authors; Introduction; Chapter 1: The Political Realities of Energy Policy; Chapter 2: Energy Policy in Transition; Chapter 3: The Art and Science of Crafting Public Policy; Chapter 4: The Long Search for a Sustainable Energy Policy; Chapter 5: Difficulties in Achieving a Balanced Energy Policy; Chapter 7: Crafting Policy with Subsidies and Regulations; Chapter 8: Policies Shaped by Taxes and Market Mechanisms; Chapter 9: International Cooperation on Energy Policy Chapter 10: Policies for a New Energy FutureAppendix A: Chapter Discussion and Review Questions; Appendix C: Energy-Related Acronyms; Appendix D: Glossary; References; Back Cover
Sommario/riassunto	In an effort to provide greater awareness of the necessary policy decisions facing our elected and appointed officials, Energy Policy in the U.S.: Politics, Challenges, and Prospects for Change presents an overview of important energy policies and the policy process in the

United States, including their history, goals, methods of action, and consequences. In the first half of the book, the authors frame the energy policy issue by reviewing U.S. energy policy history, identifying the policy-making players, and illuminating the costs, benefits, and economic and political realities of currently competing policy alternatives. The book examines the stakeholders and their attempts to influence energy policy and addresses the role of supply and demand on the national commitment to energy conservation and the development of alternative energy sources. The latter half of the book delves into specific energy policy strategies, including economic and regulatory options, and factors that influence energy policies, such as the importance of international cooperation. Renewed interest in various renewable and nontraditional energy resources—for example, hydrogen, nuclear fusion, biomass, and tide motion—is examined, and policy agendas are explored in view of scientific, economic, regulatory, production, and environmental constraints. This book provides excellent insight into the complex task of creating a comprehensive energy policy and its importance in the continued availability of energy to power our way of life and economy while protecting our environment and national security.

2. Record Nr. UNINA9910483711803321

Autore	Caraveo Camilo
Titolo	A New Bio-inspired Optimization Algorithm Based on the Self-defense Mechanism of Plants in Nature / / by Camilo Caraveo, Fevrier Valdez, Oscar Castillo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-05551-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 57 p.)
Collana	SpringerBriefs in Computational Intelligence, , 2625-3712
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Botany Mathematical optimization Computational Intelligence Artificial Intelligence Plant Science Optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Theory and Background -- Self-defense of the Plants -- Predator-prey mode -- Proposed Method -- Case studies -- Conclusions.
Sommario/riassunto	This book presents a new meta-heuristic algorithm, inspired by the self-defense mechanisms of plants in nature. Numerous published works have demonstrated the various self-defense mechanisms (survival strategies) plants use to protect themselves against predatory organisms, such as herbivorous insects. The proposed algorithm is based on the predator–prey mathematical model originally proposed by Lotka and Volterra, consisting of two nonlinear first-order differential equations, which allow the growth of two interacting populations (prey and predator) to be modeled. The proposed meta-heuristic is able to produce excellent results in several sets of benchmark optimization problems. Further, fuzzy logic is used for dynamic parameter

adaptation in the algorithm.