

1. Record Nr.	UNINA9910659484203321
Titolo	Trading in local energy markets and energy communities : concepts, structures and technologies / / Miadreza Shae-khah, Amin Shokri Gazafroudi
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-21402-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (264 pages)
Collana	Lecture notes in energy ; ; Volume 93
Disciplina	333.79
Soggetti	Energy industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Energy communities -- Local energy markets -- Active players in local energy markets -- Community-based local energy markets -- Peer-to-peer local energy trading -- Hybrid structures for local energy trading.- mClustering-based local energy markets.
Sommario/riassunto	This book presents trading in local energy markets and communities. It covers electrical, business, economics, telecommunication, information technology (IT), environment, building, industrial, and computer science and examines the intersections of these areas with these markets and communities. Additionally, it delivers an vision for local trading and communities in smart cities. Since it also lays out concepts, structures, and technologies in a variety of applications intertwined with future smart cities, readers running businesses of all types will find material of use in the book. Manufacturing firms, electric generation, transmission and distribution utilities, hardware and software computer companies, automation and control manufacturing firms, and other industries will be able to use this book to enhance their energy operations, improve their comfort and privacy, as well as to increase the benefit from the energy system. This book is also used as a textbook for graduate level courses.