1. Record Nr. UNINA9910455284703321

Autore	Newbery David M. G
Titolo	Privatization, restructuring, and regulation of network utilities [[electronic resource] /] / David M. Newbery
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, c1999
ISBN	0-262-28058-2 0-585-29647-2
Descrizione fisica	xvi, 466 p. : ill
Collana	The Walras-Pareto lectures ; ; 2
Disciplina	363.6
Soggetti	Public utilities Privatization Public utilities - Government policy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [439]-452) and index.
Sommario/riassunto	Network utilities, such as electricity, telephones, and gas, are public utilities that require a fixed network to deliver their services. Because consumers have no choice of network, they risk exploitation by network owners. Once invested, however, a network's capital is sunk, and the bargaining advantage shifts from investor to consumer. The investor, fearing expropriation, may be reluctant to invest. The tension between consumer and investor can be side-stepped by state ownership. Alternatively, private ownership and consumers' political power can be reconciled through regulation. Either way, network utilities operate under terms set by the state. David Newbery argues that price-setting rules comprise only part of the policy agenda. Network utilities pose special problems of ownership and regulation. He discusses the history of ownership and regulation, privatization, and theories of regulation. Examining three network utilities in detail--telecoms, electricity, and gas--he contrasts the regulatory approaches of Britain and the United States. He also looks at liberalization in a variety of other countries. History shows that the mature forms of regulatory institutions are emarkably similar under both public and

	private ownership. This raises obvious questions such as: Will the forces that caused convergence to regulated vertical integration in the past reassert themselves? Can the benefits of competition be protected against the pressure to reintegrate? Will different utilities differ in their form and structure? A full understanding of the forces shaping regulatory institutions is necessary to answer these important questions.

2.

Record Nr.	UNINA9910523890903321
Autore	Erokhin Victor
Titolo	Fundamentals of Organic Neuromorphic Systems / / by Victor Erokhin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-79492-X
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (270 pages)
Collana	Engineering Series
Disciplina	621.38154
Soggetti	Electronic circuits Biomedical engineering Electronic Circuits and Systems Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1 Memristive devices and circuits -- Chapter 2: Organic memristive device -- Chapter 3: Oscillators based on organic memristive devices -- Chapter 4: Models -- Chapter 5: Logic elements and neuron networks -- Chapter 6: Neuromorphic systems -- Chapter 7: 3D systems with stochastic architecture.
Sommario/riassunto	This book describes the essential requirements for the realization of neuromorphic systems, where memristive devices play a key role. A comprehensive description to organic memristive devices, including working principles and models of the function, preparation methods, properties and different applications is presented. A comparative analysis of organic and inorganic systems is given. The author

discusses all aspects of current research in organic memristive devices: fabrication techniques, properties, synapse mimicking circuits, and neuromorphic systems (including perceptrons), etc. Describes requirements of electronic circuits and systems to be considered as neuromorphic systems; Provides a single-source reference to the state-of-the-art in memristive devices as key elements of neuromorphic systems; Provides a comparative analysis of advantages and drawbacks between organic and inorganic devices and systems; Includes a systematic overview of organic memristive devices, including fabrication methods, properties, synapse mimicking circuits, and neuromorphic systems; Discusses a variety of unconventional applications, based on bio-inspired circuits and neuromorphic systems.