1. Record Nr. UNINA990001676960403321

Autore	Milano
Titolo	Dati statistici e corredo del resoconto dell'Amministrazione Comunale - 1898 / Municipio di Milano
Pubbl/distr/stampa	Milano : Sormani & Ghidini, 1899
Descrizione fisica	XII, 299 p. ; 30 cm
Disciplina	352
Locazione	FAGBC
Collocazione	60 352.1 A 1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910299700503321

Autore	Amiri Iraj Sadegh
Titolo	Ring Resonator Systems to Perform Optical Communication Enhancement Using Soliton / / by Iraj Sadegh Amiri, Abdolkarim Afroozeh
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2015
ISBN	981-287-197-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (76 p.)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-530X
Disciplina	519
Soggetti	Microwaves Optical engineering Electrical engineering System safety Lasers Photonics Applied mathematics Engineering mathematics Microwaves, RF and Optical Engineering Communications Engineering, Networks Security Science and Technology Optics, Lasers, Photonics, Optical Devices Mathematical and Computational Engineering

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.
Nota di contenuto	1 Introduction -- 2 Mathematics of Soliton Transmission in Optical Fiber -- 3 Integrated Ring Resonator Systems -- 4 Soliton Generation Based Optical Communication -- 5 Conclusion.
Sommario/riassunto	The title explain new technique of secured and high capacity optical communication signals generation by using the micro and nano ring resonators. The pulses are known as soliton pulses which are more secured due to having the properties of chaotic and dark soliton signals with ultra short bandwidth. They have high capacity due to the fact that ring resonators are able to generate pulses in the form of solitons in multiples and train form. These pulses generated by ring resonators are suitable in optical communication due to use the compact and integrated rings system, easy to control, flexibility, less loss, application in long distance communication and many other advantages. Using these pulses overcome the problems such as losses during the propagation, long distances, error detection, using many repeaters or amplifiers, undetectable received signals, pulse broadening, overlapping and so on. This book show how to generate soliton pulses using ring resonators in the micro and nano range which can be used in optical communication to improve the transmission technique and quality of received signals in networks such as WiFi and wireless communication.