

1. Record Nr.	UNINA9911019618903321
Autore	Furusawa Akira
Titolo	Quantum teleportation and entanglement : a hybrid approach to optical quantum information processing // Akira Furusawa and Peter van Loock
Pubbl/distr/stampa	Weinheim, Germany, : Wiley-VCH, 2011
ISBN	1-283-28326-3 9786613283269 3-527-63530-0 3-527-63528-9
Descrizione fisica	1 online resource (353 p.)
Altri autori (Persone)	LoockPeter van
Disciplina	530.12
Soggetti	Quantum teleportation Quantum optics
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	pt. 1. Introductions and basics -- pt. 2. Fundamental resources and protocols -- pt. 3. Measurement-based and hybrid approaches.
Sommario/riassunto	Unique in that it is jointly written by an experimentalist and a theorist, this monograph presents universal quantum computation based on quantum teleportation as an elementary subroutine and multi-party entanglement as a universal resource. Optical approaches to measurement-based quantum computation are also described, including schemes for quantum error correction, with most of the experiments carried out by the authors themselves. Ranging from the theoretical background to the details of the experimental realization, the book describes results and advances in the field, backed by numero