

1. Record Nr.	UNINA9910136185703321
Titolo	Des ingenieurs pour un monde nouveau : Histoire des formations electrotechniques dans le monde (XIX e -XX e siecles) // Marcela Efmertova et Andre Grelon (dir.) ; avec la collaboration de Jan Mikes
Pubbl/distr/stampa	Bruxelles, [Belgium] : , : Peter Lang, , 2016 ©2016
ISBN	3-0352-6557-7
Descrizione fisica	1 online resource (550 pages) : illustrations, photographs
Collana	Histoire de l'energie, , 2033-7469
Disciplina	621.309
Soggetti	Electrical engineering - History
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes indexes.

2. Record Nr.	UNINA9910155273303321
Autore	Tura i Brugués Jordi
Titolo	Characterizing Entanglement and Quantum Correlations Constrained by Symmetry / / by Jordi Tura i Brugués
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	9783319495712
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXV, 237 p. 17 illus., 8 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.12
Soggetti	Quantum theory Mathematical physics Phase transformations (Statistical physics) Condensed matter Quantum computers Spintronics Quantum Physics Mathematical Physics Quantum Gases and Condensates Quantum Information Technology, Spintronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Background -- PPT Entangled Symmetric States -- Nonlocality in Multipartite Quantum States -- Relating Entanglement and Nonlocality -- Atomic Monogamies of Correlations -- Conclusions and Outlook.
Sommario/riassunto	This thesis focuses on the study and characterization of entanglement and nonlocal correlations constrained under symmetries. It includes original results as well as detailed methods and explanations for a number of different threads of research: positive partial transpose (PPT) entanglement in the symmetric states; a novel, experimentally friendly method to detect nonlocal correlations in many-body systems; the non-equivalence between entanglement and nonlocality; and elemental monogamies of correlations. Entanglement and nonlocal correlations

constitute two fundamental resources for quantum information processing, as they allow novel tasks that are otherwise impossible in a classical scenario. However, their elusive characterization is still a central problem in quantum information theory. The main reason why such a fundamental issue remains a formidable challenge lies in the exponential growth in complexity of the Hilbert space as well as the space of multipartite correlations. Physical systems of interest, on the other hand, display symmetries that can be exploited to reduce this complexity, opening the possibility that some of these questions become tractable for such systems.
