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Autore	Giorgio Riello
Titolo	Seri-technics : historical silk technologies / / Dagmar Schäfer, Giorgio Riello, Luca Molà (editors)
Pubbl/distr/stampa	Edition Open Access, 2020 Germany : , : Edition Open Access, , 2020
Descrizione fisica	1 online resource (96 pages) : digital, PDF file(s)
Collana	Studies 13: Max Planck Research Library for the History and Development of Knowledge
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	At a time when the social and cultural importance of silk in the pre-modern global world is increasingly evident, this volume returns to the issue of technology and queries the ways in which actors determined the nature of silk by deploying, selecting, or pursuing certain set of technics, practices, or ideals (while dismissing or ignoring others). Drawing on the growing research on silk’s cultural, social, economic, and intellectual implications, these chapters provide a fresh look at how technical processes have been historically shaped to define the identity of silk. Calling the technical system that has generated ideas about silk a form of textile seri-technics, this volume presents historical case studies that, sampled from diverse cultural regions, exemplify major technological processes and practices of silk textile production. The contributions tackle five technical attributes and principles of action that have come to make- up historical seri-technics.

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Autore	Musumeci Salvatore
Titolo	Advanced DC-DC Power Converters and Switching Converters
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (188 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Nowadays, power electronics is an enabling technology in the energy development scenario. Furthermore, power electronics is strictly linked with several fields of technological growth, such as consumer electronics, IT and communications, electrical networks, utilities, industrial drives and robotics, and transportation and automotive sectors. Moreover, the widespread use of power electronics enables cost savings and minimization of losses in several technology applications required for sustainable economic growth. The topologies of DC-DC power converters and switching converters are under continuous development and deserve special attention to highlight the advantages and disadvantages for use increasingly oriented towards green and sustainable development. DC-DC converter topologies are developed in consideration of higher efficiency, reliable control switching strategies, and fault-tolerant configurations. Several types of switching converter topologies are involved in isolated DC-DC converter and nonisolated DC-DC converter solutions operating in hard-switching and soft-switching conditions. Switching converters have applications in a broad range of areas in both low and high power densities. The articles presented in the Special Issue titled "Advanced DC-DC Power Converters and Switching Converters" consolidate the work on the investigation of the switching converter topology considering the technological advances offered by innovative wide-bandgap devices and performance optimization methods in control

strategies used.