

1. Record Nr.	UNINA9910366590503321
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Titolo	Cyber Security: The Lifeline of Information and Communication Technology / / by Ramjee Prasad, Vandana Rohokale
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-31703-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (295 pages)
Collana	Springer Series in Wireless Technology, , 2365-4139
Disciplina	005.8
Soggetti	Computer engineering Internet of things Embedded computer systems Computer security Computer networks - Security measures Electrical engineering Cyber-physical systems, IoT Systems and Data Security Mobile and Network Security Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Cyber Threats and Attack Overview -- Phishing -- BOTNETS -- Copyright Infringement -- Cyber Forensics -- Trust Management -- Internet of Things (IoT) and Machine to Machine (M2M) Communication -- Smart Grid -- Cloud Computing -- Smart Devices -- E-Commerce -- Social Networking Sites -- Secure Incident Handling -- Exploiting Artificial Intelligence for Cyber Security -- Research Challenges and Future Scope.
Sommario/riassunto	This book discusses a broad range of cyber security issues, addressing global concerns regarding cyber security in the modern era. The growth of Information and Communication Technology (ICT) and the prevalence of mobile devices make cyber security a highly topical and relevant issue. The transition from 4G to 5G mobile communication, while bringing convenience, also means cyber threats are growing

exponentially. This book discusses a variety of problems and solutions including: • Internet of things and Machine to Machine Communication; • Infected networks such as Botnets; • Social media and networking; • Cyber Security for Smart Devices and Smart Grid • Blockchain Technology and • Artificial Intelligence for Cyber Security Given its scope, the book offers a valuable asset for cyber security researchers, as well as industry professionals, academics, and students.
