Record Nr.	UNINA9910150447103321
Autore	Khattab Ahmed
Titolo	RFID Security : A Lightweight Paradigm / / by Ahmed Khattab, Zahra Jeddi, Esmaeil Amini, Magdy Bayoumi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-47545-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXII, 171 p. 80 illus., 61 illus. in color.)
Collana	Analog Circuits and Signal Processing, , 1872-082X
Disciplina	621.384192
Soggetti	Electronic circuits
	Microprocessors
	Signal processing
	Image processing
	Speech processing systems
	Circuits and Systems Processor Architectures
	Signal, Image and Speech Processing
Lingua di pubblicazione	
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Part I. RFID Security Preliminaries 1. Introduction to RFID 2. RFID Security Threats and Basic Solutions 3. Cryptography in RFID Systems Part II. Lightweight RFID Redundant Bit Security 4. RBS Cryptosystem 5. RBS Security Analysis 6. RBS Performance Evaluation 7. RBS RFID Security and The Internet of Things.
Sommario/riassunto	This book provides a comprehensive treatment of security in the widely adopted, Radio Frequency Identification (RFID) technology. The authors present the fundamental principles of RFID cryptography in a manner accessible to a broad range of readers, enabling them to improve their

Security (RBS), which enables significant, multi-faceted performance
improvements compared to existing cryptosystems. This book is a
must-read for anyone aiming to overcome the constraints of practical
implementation in RFID security technologies.