Record Nr.	UNINA9910635396903321
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Titolo	Hardware Security Primitives [[electronic resource] /] / by Mark Tehranipoor, Nitin Pundir, Nidish Vashistha, Farimah Farahmandi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-19185-4
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (356 pages)
Disciplina	929.605
Soggetti	Electronic circuits
	Electronic circuit design
	Microprocessors
	Computer architecture
	Electronic Circuits and Systems
	Processor Architectures
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Nota di bibliografia	Inglese Materiale a stampa Monografia Includes bibliographical references and index.
Lingua di pubblicazione Formato Livello bibliografico Nota di bibliografia Nota di contenuto	Inglese Materiale a stampa Monografia Includes bibliographical references and index. Introduction Hardware Security Primitives and their Applications Racetrack PUF TERO PUF Direct Characterization PUF Volatile Memory Based PUF Emerging Memory Based PUF Extrinsic Characterization of PUF Radio PUFs and CoAs Optical PUFs True Random Number Generators Hardware Camouflaging Temper Detection Methods Embedded Watermarking Counterfeit and Recycled IC Detection Package-Level Counterfeit IC Detection Side Channels Protection in Cryptographic Hardware Fault Injection Resistant Cryptographic Hardware Energy and Performance Optimization for Cryptography Lightweight Cryptography Post- Quantum Cryptography Virtual Proof of Reality Analog Security.

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exploiting intrinsic manufacturing and temporal variations in silicon devices to create strong security primitives and solutions. This book will benefit SoC designers and researchers in designing secure, reliable, and trustworthy hardware. Provides guidance and security engineers for protecting their hardware designs; Covers a variety digital and analog hardware security primitives and applications for securing modern devices; Helps readers understand PUF, TRNGs, silicon odometer, and cryptographic hardware design for system security.