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Titolo	Security and Fault Tolerance in Internet of Things [[electronic resource] /] / edited by Rajat Subhra Chakraborty, Jimson Mathew, Athanasios V. Vasilakos
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-02807-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (221 pages)
Collana	Internet of Things, Technology, Communications and Computing, , 2199-1073
Disciplina	005.824
Soggetti	Wireless communication systems Mobile communication systems Application software Computer security Wireless and Mobile Communication Information Systems Applications (incl. Internet) Systems and Data Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Security and Trust Verication of IoT SoCs -- Low Cost Dual-Phase Watermark for Protecting CE Devices in IoT Framework -- Secure multicast communication techniques for IoT -- An Adaptable System-on-Chip Security Architecture for Internet of Things Applications -- Lightweight Fault Tolerance for Secure Aggregation of Homomorphic Data -- An approach to integrating security and fault tolerance mechanisms into the military IoT -- Fault-tolerant Implementations of Physically Unclonable Functions on FPGA -- Fault Tolerance in 3D-ICs -- Formal Verication for Security in IoT Devices -- SENSE: Sketching framework for Big Data Acceleration on Low Power Embedded Cores.
Sommario/riassunto	This book covers various aspects of security, privacy and reliability in Internet of Things (IoT) and Cyber-Physical System design, analysis and testing. In particular, various established theories and practices both from academia and industry are presented and suitably organized

targeting students, engineers and researchers. Fifteen leading academicians and practitioners wrote this book, pointing to the open problems and biggest challenges on which research in the near future will be focused.