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Titolo	Intelligent, Secure, and Dependable Systems in Distributed and Cloud Environments [[electronic resource]] : First International Conference, ISDDC 2017, Vancouver, BC, Canada, October 26-28, 2017, Proceedings // edited by Issa Traore, Isaac Woungang, Ahmed Awad
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXII, 183 p. 68 illus.)
Collana	Programming and Software Engineering ; ; 10618
Disciplina	005.8
Soggetti	Computer communication systems Application software Software engineering User interfaces (Computer systems) Personal computers Computer Communication Networks Information Systems Applications (incl. Internet) Software Engineering User Interfaces and Human Computer Interaction Personal Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Holistic model for HTTP botnet detection based on DNS traffic analysis -- Detecting broad length algorithmically generated domains -- Secure cloud computing: multithreaded fully homomorphic encryption for legal metrology -- Detecting command and control channel of botnets in clouds -- An experimental framework for investigating security and privacy of IoT devices -- Dynamic cypher for enhanced cryptography and communication for Internet of Things -- An inter-device authentication scheme for smart homes using one-time-password over infrared channel -- Detection and prevention of blackhole attacks in wireless sensor networks -- Detection of online fake news using N-gram analysis and machine learning techniques -- Security protocol of

social payment apps -- Spectral-spatial classification of hyperspectral imagery using support vector and Fuzzy-MRF -- Infant monitoring system using wearable sensors based on blood oxygen saturation -- Network behavioral analysis for zero-day malware detection. Network Behavioral Analysis for Zero-day Malware Detection.

Sommario/riassunto

This book constitutes the refereed proceedings of the First International Conference on Intelligent, Secure, and Dependable Systems in Distributed and Cloud Environments, ISDDC 2017, held in Vancouver, BC, Canada, in October 2017. The 12 full papers presented together with 1 short paper were carefully reviewed and selected from 43 submissions. This book also contains 3 keynote talks and 2 tutorials. The contributions included in this proceedings cover many aspects of theory and application of effective and efficient paradigms, approaches, and tools for building, maintaining, and managing secure and dependable systems and infrastructures, such as botnet detection, secure cloud computing and cryptosystems, IoT security, sensor and social network security, behavioral systems and data science, and mobile computing.
