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Disciplina	005.8
Soggetti	Software engineering Application software Information technology Business—Data processing Management information systems Computer science Optical data processing Software Engineering Information Systems Applications (incl. Internet) IT in Business Computer Appl. in Administrative Data Processing Management of Computing and Information Systems Computer Imaging, Vision, Pattern Recognition and Graphics
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Nota di contenuto	Cryptography and Information Theory -- MaD2: An Ultra-Performance Stream Cipher for Pervasive Data Encryption -- Proofs of Retrievability via Fountain Code -- MARC: Modified ARC4 -- Detection of HTTP-GET Attack with Clustering and Information Theoretic Measurements -- Key Management and Cryptographic Protocols -- A Generic Algebraic Model for the Analysis of Cryptographic-Key Assignment Schemes -- Message

Transmission and Key Establishment: Conditions for Equality of Weak and Strong Capacities -- COMPASS: Authenticated Group Key Agreement from Signcryption -- Privacy and Trust -- Classifying Online Social Network Users through the Social Graph -- A Formal Derivation of Composite Trust -- Policies and Applications Security -- Policy Administration in Tag-Based Authorization -- Enabling Dynamic Security Policy in the Java Security Manager -- A Novel Obfuscation: Class Hierarchy Flattening -- RESource: A Framework for Online Matching of Assembly with Open Source Code -- Touchjacking Attacks on Web in Android, iOS, and Windows Phone -- Network and Adaptive Security -- Short-Term Linkable Group Signatures with Categorized Batch Verification -- GHUMVEE: Efficient, Effective, and Flexible Replication -- Extracting Attack Scenarios Using Intrusion Semantics -- On Securely Manipulating XML Data -- Mitigating Collaborative Blackhole Attacks on DSR-Based Mobile Ad Hoc Networks -- QoS Aware Adaptive Security Scheme for Video Streaming in MANETs -- A Case Study of Side-Channel Analysis Using Decoupling Capacitor Power Measurement with the OpenADC -- Short Papers -- Towards Modelling Adaptive Attacker's Behaviour -- Scalable Deniable Group Key Establishment -- Information-Theoretic Foundations of Differential Privacy.

Sommario/riassunto

This book constitutes the carefully refereed and revised selected papers of the 5th International Symposium on Foundations and Practice of Security, FPS 2012, held in Montreal, QC, Canada, in October 2012. The book contains a revised version of 22 full papers, accompanied by 3 short papers. The papers were carefully reviewed and selected from 62 submissions. The papers are organized in topical section on cryptography and information theory, key management and cryptographic protocols, privacy and trust, policies and applications security, and network and adaptive security.
