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Software Development Methods in the Internet of Things.- SAT-Based Bounded Strong Satisfiability Checking of Reactive System Specifications.- OSMF: A Framework for OSS Process Measurement.

- Analyzing Stability of Algorithmic Systems Using Algebraic Constructs.- Algorithms of the Combination of Compiler Optimization Options for Automatic Performance Tuning.- On Efficient Processing of Complicated Cloaked Region for Location Privacy Aware Nearest-Neighbor Queries.- Semantic-Aware Obfuscation for Location Privacy at Database Level.- Practical Construction of Face-Based Authentication Systems with Template Protection Using Secure Sketch.- CAPTCHA Suitable for Smartphones.- Code Based KPD Scheme with Full Connectivity: Deterministic Merging.- Indonesian Digital Natives: ICT Usage Pattern Study across Different Age Groups.- End-to-End Delay Performance for VoIP on LTE System in Access Network.- Mobile Collaboration Technology in Engineering Asset Maintenance – What Technology, Organisation and People Approaches Are Required.- A Genetic Algorithm for Power-Aware Virtual Machine Allocation in Private Cloud.- Cloud-Based E-Learning: A Proposed Model and Benefits by Using E-Learning Based on Cloud Computing for Educational Institution.- Information Systems Strategic Planning for a Naval Hospital.- Estimation of Precipitable Water Vapor Using an Adaptive Neuro-fuzzy Inference System Technique.- A Data-Driven Approach toward Building Dynamic Ontology.- Using Semantic Web to Enhance User Understandability for Online Shopping License Agreement
- Secure and Verifiable Outsourcing of Sequence Comparisons.
- Syntactic Analysis for Monitoring Personal Information Leakage on Social Network Services: A Case Study on Twitter.- On the Efficiency Modelling of Cryptographic Protocols by Means of the Quality of Protection Modelling Language (QoP-ML).- DiffSig: Resource Differentiation Based Malware Behavioral Concise Signature Generation.
- On Identifying Proper Security Mechanisms.- A Recovery Approach for SQLite History Recorders from YAFFS2.- UVHM: Model Checking Based Formal Analysis Scheme for Hypervisors.- SA4WSs: A Security Architecture for Web Services.- Verifying Data Authenticity and Integrity in Server-Aided Confidential Forensic Investigation.- A Test Case Generation Technique for VMM Fuzzing.- A Variant of Non-Adaptive Group Testing and Its Application in Pay-Television via Internet.- A Proposal on Security Case Based on Common Criteria.- An Adaptive Low-Overhead Mechanism for Dependable General-Purpose Many-Core Processors -- Identity Management Lifecycle - Exemplifying the Need for Holistic Identity Assurance Frameworks -- Anonymous Lattice-Based Broadcast Encryption.- Supporting Secure Provenance Update by Keeping “Provenance” of the Provenance.- New Ciphertext-Policy Attribute-Based Access Control with Efficient Revocation.- Provably Secure and Subliminal-Free Variant of Schnorr Signature.- A Block Cipher Mode of Operation with Two Keys.- On the Security of an Authenticated Group Key Transfer Protocol Based on Secret Sharing.
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- Trustworthy Opportunistic Access to the Internet of Services.
- Architecture of Network Environment for High-Risk Security

Experimentation.- Emulation on the Internet Prefix Hijacking Attack Impaction.- Improved Clustering for Intrusion Detection by Principal Component Analysis with Effective Noise Reduction.- Unconditionally Secure Fully Connected Key Establishment Using Deployment Knowledge -- An Improved Greedy Forwarding Routing Protocol for Cooperative VANETs.- A Review of Security Attacks on the GSM Standard -- An Extended Multi-secret Images Sharing Scheme Based on Boolean Operation.- Image Watermarking Using Psychovisual Threshold over the Edge.- A Data Structure for Efficient Biometric Identification.

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Sommario/riassunto

This book constitutes the refereed proceedings of the International Conference on Information and Communication Technology, ICT-EurAsia 2013, and the collocation of AsiaARES 2013 as a special track on Availability, Reliability, and Security, held in Yogyakarta, Indonesia, in March 2013. The 62 revised full papers presented were carefully reviewed and selected from a numerous submissions. The papers are organized in topical sections on e-society, software engineering, security and privacy, cloud and internet computing, knowledge management, dependable systems and applications, cryptography, privacy and trust management, network analysis and security, and multimedia security.
