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   Disciplina   005.8

   Soggetti   Data protection
                        Software engineering
                        Computer networks
                        Cryptography
                        Data encryption (Computer science)
                        Application software
                        Electronic data processing - Management
                        Data and Information Security
                        Software Engineering
                        Computer Communication Networks
                        Cryptology
                        Computer and Information Systems Applications
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   Nota di contenuto   Keynote Speech -- Sensor Network Applications Implemented by Industry and Their Security Challenges -- Regular Papers -- Detecting Stepping-Stone Intrusion and Resisting Evasion through TCP/IP Packets Cross-Matching -- Preventing DDoS Attacks Based on Credit Model for P2P Streaming System -- Design, Prototype, and Evaluation of a Network Monitoring Library -- Real-Time IP Checking and Packet Marking for Preventing ND-DoS Attack Employing Fake Source IP in IPv6

LAN -- A Semantic-Aware Ontology-Based Trust Model for Pervasive Computing Environments -- Using Automated Planning for Trusted Self-organising Organic Computing Systems -- A Trusted Group Signature Architecture in Virtual Computing Environment -- SepRep: A Novel Reputation Evaluation Model in Peer-to-Peer Networks -- Off-Line Keyword Guessing Attacks on Recent Public Key Encryption with Keyword Search Schemes -- An Integrated Solution for Policy Filtering and Traffic Anomaly Detection -- Secure Safety: Secure Remote Access to Critical Safety Systems in Offshore Installations -- SEMAP: Improving Multipath Security Based on Attacking Point in Ad Hoc Networks -- Scheduling for Reliable Execution in Autonomic Systems -- Measuring and Analyzing Emerging Properties for Autonomic Collaboration Service Adaptation -- Artificial Immune System Based Robot Anomaly Detection Engine for Fault Tolerant Robots -- Maximising Personal Utility Using Intelligent Strategy in Minority Game -- Simulation-Based Optimization Approach for Software Cost Model with Rejuvenation -- Organic Control of Traffic Lights -- Concepts for Autonomous Control Flow Checking for Embedded CPUs -- Autonomous Querying for Knowledge Networks -- Discovery of Useful Patterns from Tree-Structured Documents with Label-Projected Database -- Using Multiple Detectors to Detect the Backoff Time of the Selfish Node in Wireless Mesh Network -- Self-reconfiguration in Highly Available Pervasive Computing Systems -- Modeling Modern Social-Network-Based Epidemics: A Case Study of Rose -- An Evaluation Study of the Effectiveness of Modeling NASA Swarm-Based Exploration Missions with ASSL -- Special Session Papers -- Distributed Performance Control in Organic Embedded Systems -- An Operating System Architecture for Organic Computing in Embedded Real-Time Systems -- Towards an Autonomic Peer-to-Peer Middleware for Wireless Sensor Networks -- Embedding Dynamic Behaviour into a Self-configuring Software System -- Service Discovery of IP Cameras Using SIP and Zeroconf Protocols -- Adaptability of the TRSIM Model to Some Changes in Agents Behaviour -- Trusting Groups in Coalition Formation Using Social Distance -- Adjustable Trust Model for Access Control -- Towards Trustworthiness Establishment: A D-S Evidence Theory Based Scorer Reliability Tuned Method for Dishonest Feedback Filtering -- A User Behavior Based Trust Model for Mobile Applications -- Managing Contracts in Pleiades Using Trust Management -- A Semantic Foundation for Trust Management Languages with Weights: An Application to the RT Family -- Annotation Markers for Runtime Replication Protocol Selection -- Enhanced Three-Round Smart Card-Based Key Exchange Protocol -- Assertions Signcryption Scheme in Decentralized Autonomous Trust Environments -- A Study of Information Security Practice in a Critical Infrastructure Application -- Web Search Results Clustering Based on a Novel Suffix Tree Structure -- Di-GAFR: Directed Greedy Adaptive Face-Based Routing -- Cooperative Management Framework for Inter-domain Routing System -- Performance Problem Determination Using Combined Dependency Analysis for Reliable System -- A Free-Roaming Mobile Agent Security Protocol Based on Anonymous Onion Routing and k Anonymous Hops Backwards -- Secure Ethernet Point-to-Point Links for Autonomous Electronic Ballot Boxes -- Wireless Sensor Network Assisted Dynamic Path Planning for Transportation Systems -- A Recoverable Semi-fragile Watermarking Scheme Using Cosine Transform and Adaptive Median Filter -- Intelligent VoIP System in Ad-Hoc Network with Embedded Pseudo SIP Server -- A Weighted Routing Protocol Using Grey Relational Analysis for Wireless Ad Hoc Networks.

Sommario/riassunto   This book constitutes the refereed procedings of the 5th International Conference on Autonomic and Trusted Computing, ATC 2008, held in

Oslo, Norway, in June 2008, co-located with UIC 2008, the 5th International Conference on Ubiquitous Intelligence and Computing. The 25 revised full papers presented together with 26 special session papers and 1 keynote talk were carefully reviewed and selected from 75 submissions. The regular papers are organized in topical sections on intrusion detection, trust, trusted systems and crypto, autonomic computing, organic computing, knowledge and patterns, and pervasive systems. The special session papers cover issues such as organic computing, trust, trust and dependable systems, routing and reliable systems, sensor networks, VoIP, and watermarking. .