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Nota di contenuto	Plenary Talk -- I -- Taming the Dynamics of Distributed Data -- DISTRIBUTED COMPUTING -- Data in Your Space -- Enabling Technologies for Harnessing Information Explosion -- Fair Leader Election by Randomized Voting -- An Efficient Leader Election Algorithm for Mobile Ad Hoc Networks -- Distributed Balanced Tables: A New Approach -- Performance Evaluation of Gigabit Ethernet and SCI in a Linux Cluster -- Performance Evaluation of a Modified-Cyclic-Banyan Based ATM / IP Switching Fabric -- A Scalable and Robust QoS Architecture for WiFi P2P Networks -- NEC: Node Energy Based

Clustering Protocol for Wireless Sensor Networks with Guaranteed Connectivity -- Energy Efficient Cache Invalidation in a Disconnected Mobile Environment -- An Efficient Data Dissemination Schemes for Location Dependent Information Services -- A Publish / Subscribe Based Architecture of an Alert Server to Support Prioritized and Persistent Alerts -- A Nested Transaction Model for LDAP Transactions -- Team Transaction: A New Transaction Model for Mobile Ad Hoc Networks -- An Efficient Protocol for Checkpoint-Based Failure Recovery in Distributed Systems -- Cybersecurity: Opportunities and Challenges -- INTERNET TECHNOLOGY -- Vulnerabilities and Threats in Distributed Systems -- A TNATS Approach to Hidden Web Documents -- Querying XML Documents from a Relational Database in the Presence of DTDs -- SAQI: Semantics Aware Query Interface -- Hybrid-Chord: A Peer-to-Peer System Based on Chord -- A Generic and Flexible Model for Replica Consistency Management -- An Efficient Distributed Scheme for Source Routing Protocol in Communication Networks -- The Roles of Ontology and Metadata Registry for Interoperable Databases -- DHL: Semantically Rich Dynamic and Active Hyperlinks -- User-Class Based Service Acceptance Policy Using ClusterAnalysis -- SOFTWARE ENGINEERING -- Tools and Techniques for Multi-site Software Development -- Specifying a Mobile Computing Infrastructure and Services -- Generating a Prototype from a UML Model of System Requirements -- A Type System for an Aspect Oriented Programming Language -- Secure Requirements Elicitation Through Triggered Message Sequence Charts -- Framework for Safe Reuse of Software Binaries -- Supporting Partial Component Matching -- A Novel Approach for Dynamic Slicing of Distributed Object-Oriented Programs -- Pattern Semantic Link: A Reusable Pattern Representation in MDA Context -- Compatibility Test and Adapter Generation for Interfaces of Software Components -- A Modern Graphic Flowchart Layout Tool -- SYSTEMS SECURITY -- A Flexible Authorization Framework for E-Commerce -- Efficient Algorithms for Intrusion Detection -- Proxi-Annotated Control Flow Graphs: Deterministic Context-Sensitive Monitoring for Intrusion Detection -- Using Schemas to Simplify Access Control for XML Documents -- Automatic Enforcement of Access Control Policies Among Dynamic Coalitions -- Implementing Consistency Checking in Correlating Attacks -- LSAD: Lightweight SYN Flooding Attack Detector -- UGSP: Secure Key Establishment Protocol for Ad-Hoc Networks -- Tracing Attackers with Deterministic Edge Router Marking (DERM) -- Distributing Key Updates in Secure Dynamic Groups -- Succinct and Fast Accessible Data Structures for Database Damage Assessment -- A Secure Checkpointing Protocol for Survivable Server Design -- MobiCoin: Digital Cash for M-Commerce -- Cellular Automata: An Ideal Candidate for a Block Cipher -- NFD Technique for Efficient and Secured Information Hiding in Low Resolution Images -- WORKSHOP ON DATAMINING, SECURITY & APPLICATION -- Improving Feature Selection in Anomaly Intrusion Detection Using Specifications -- Towards Automatic Learning of Valid Services for Honeypots.

Sommario/riassunto

Kansas City) and Ashok Srivastava (NASA Ames Research Center, USA). The tutorials were on security issues in distributed systems and enterprise resource planning. We take this opportunity to thank various people and organizations who contributed to make this conference a grand success. Our heartfelt thanks to the track chairs whose full cooperation and technical assessments were crucial to achieve this high level of quality even in the first edition of the conference. The full participation of the program committee members and the reviewers made it possible to complete the peer-review process in time. We are

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