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Nota di contenuto	Keynote Speech -- Application Oriented Networking (AON): Adding Intelligence to Next-Generation Internet Routers -- Multi-channel Wireless Networks: Capacity, Protocols, and Experimentation -- Session 2A: Wireless PAN and Wireless LAN -- A Priority Management Scheme for High Rate Wireless Personal Area Network -- Connection Control by Virtual Admission in Wireless LAN Environment -- A Scalable Port Forwarding for P2P-Based Wi-Fi Applications -- An Adaptive Energy Saving Mechanism for the IEEE 802.15.4 LR-WPAN -- Traffic-Aware Power Control Algorithm for Low Rate WPAN -- Session 2B: Wireless

MAN and Pervasive Computing -- A Generic Software Partitioning Algorithm for Pervasive Computing -- A New Methodology of QoS Evaluation and Service Selection for Ubiquitous Computing -- An Enhanced Energy Saving Scheme in Mobile Broadband Wireless Access Systems -- Energy Aware Multimedia Messaging Services Across Networks and Across Devices for Mobile Users -- Dynamic Bandwidth Allocation in IEEE 802.16 -- Session 3A: Data Management -- A Memory Efficient Algorithm for Packet Classification -- Energy-Efficient Multi-query Optimization over Large-Scale Sensor Networks -- On the Design of Soft-Decision Fusion Rule for Coding Approach in Wireless Sensor Networks -- Reliable and Real-Time Data Gathering in Multi-hop Linear Wireless Sensor Networks -- Path Selection of Reliable Data Delivery in Wireless Sensor Networks -- An Efficient and Robust Routing Protocol for Data Aggregation -- Session 3B: Mobility, Localization and Topology Control -- An Area-Based Vertical Motion Estimation on Heterogeneous Wireless Networks -- A Density Control Algorithm for Surveillance Sensor Networks -- Adaptive Weighted Clustering for Large Scale Mobile Ad Hoc Networking Systems -- An Interference Free Cluster-Based TDMA Protocol for Wireless Sensor Networks -- Integrated Multi-layer Registration Combining SIP with Mobile IP Schemes -- ELS: Energy-Aware Some-for-Some Location Service for Ad Hoc Mobile Networks -- Session 4A: Performance Modeling and Analysis -- Throughput Capacity of UWB Ad-Hoc Networks with Infrastructure Support -- Performance of Tomlinson-Harashima Precoding over Spatially Correlated MIMO Channels -- Upper Bound on Operational Lifetime of Ultra Wide Band Sensor Network -- Single-Actor Selection Algorithms for Wireless Sensor and Actor Networks -- A Genetic Algorithm on Multi-sensor Networks Lifetime Optimization -- Session 4B: MAC -- A Power Efficient MAC Protocol for IEEE 802.11 Multihop Ad Hoc Networks -- A Novel Energy-Aware TDMA Scheduling Algorithm for Wireless Sensor Networks -- A Distributed Code Assignment Algorithm with High Code Reusability for CDMA-Based Ad Hoc Networks -- A Medium Access Control Scheme for Providing Reliability in Wireless Ad Hoc Networks -- An Adaptive Latency-Energy Balance Approach of MAC Layer in Wireless Sensor Networks -- Session 6A: Algorithm and System Design -- A Convex-Hull Based Algorithm to Connect the Maximal Independent Set in Unit-Disk Graphs -- A Pure Localized Algorithm for Finding Connected Dominating Set in MANETs by Classification of Neighbors -- Dependency-Based Dynamic Component Reconfiguration for Wireless Computing Systems -- Non-uniform Information Transmission for Minimum Distortion in Wireless Networks -- A UDP-Based State-Sharing Mechanism of SIP Transaction Stateful Proxy -- A Novel Analog Pre-distorter of TWTA Non-linearity in High Power Satellite Transmitters -- Session 6B: Security -- Secure Data Transmission on Multiple Paths in Mobile Ad Hoc Networks -- Accusation Resolution Using Security Metrology -- Ring Signature Based on ElGamal Signature -- Key Management in Sensor Networks -- Efficient Password-Based Authentication and Key Exchange Scheme Preserving User Privacy -- A Trust-Based Routing Framework in Energy-Constrained Wireless Sensor Networks -- Session 7A: Broadcast/Multicast Routing -- Minimum Multicast Time Problem in Wireless Sensor Networks -- On Broadcast Authentication in Wireless Sensor Networks -- Tree-Based Multicast Meshes with Variable Density of Redundant Paths on Mobile Ad Hoc Networks -- Low-Latency Broadcast Scheduling in Ad Hoc Networks -- Session 7B: OFDM Networks -- A Study on the CI-OFDM Communication System for the High Quality and High Speed Communication System -- Design and Analysis of Side Information

Embedded PTS Scheme in the OFDM Communication System --  
Performance Analysis of a Framed ALOHA System with Diversity  
Frequency Hopping -- Optimized Channel Utilization in Multi-carrier  
Wireless Mobile Networks -- Session 8A: Algorithms and Protocols --  
An Energy-Aware Quality of Services Routing Protocol in Mobile Ad Hoc  
Networks -- Bandwidth Guaranteed Routing in Wireless Mesh Networks  
-- An Altitude Based Dynamic Routing Scheme for Ad Hoc Networks --  
PREG: A Practical Power Control Algorithm Based on a Novel Proximity  
Graph for Heterogeneous Wireless Sensor Networks -- Algorithms for  
Delay Constrained and Energy Efficiently Routing in Wireless Sensor  
Network -- Session 8B: Modeling and Algorithms -- The Effective  
Radius Model for Multi-hop Wireless Networks -- Modeling and  
Analysis for an Enhanced Three-Tier Dynamic Location Management in  
3G -- MTSP: Multi-hop Time Synchronization Protocol for IEEE 802.11  
Wireless Ad Hoc Network -- Upperbounding End-to-End Throughput of  
Multihop Wireless Networks -- Dynamicity Aware Graph Relabeling  
Systems and the Constraint Based Synchronization: A Unifying  
Approach to Deal with Dynamic Networks -- Studying Rational User  
Behavior in WCDMA Network and Its Effect on Network Revenue.

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