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Collana	Computer Communication Networks and Telecommunications ; ; 6091
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Soggetti	Computer communication systems Software engineering Application software Algorithms Management information systems Computer science Data encryption (Computer science) Computer Communication Networks Software Engineering/Programming and Operating Systems Information Systems Applications (incl. Internet) Algorithm Analysis and Problem Complexity Management of Computing and Information Systems Cryptology
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	P2P and Overlay Networks -- Using Torrent Inflation to Efficiently Serve the Long Tail in Peer-Assisted Content Delivery Systems -- Network Distance Prediction Based on Decentralized Matrix Factorization -- Topology-Awareness and Reoptimization Mechanism for Virtual Network Embedding -- Survivable Virtual Network Embedding -- Toward Efficient On-Demand Streaming with BitTorrent -- Synapse: A Scalable Protocol for Interconnecting Heterogeneous Overlay Networks

-- Performance Measurement -- A Longitudinal Study of Small-Time Scaling Behavior of Internet Traffic -- Measurement Study of Multi-party Video Conferencing -- Quality of Service -- Passive Online RTT Estimation for Flow-Aware Routers Using One-Way Traffic -- A Flow Scheduler Architecture -- Stateless RD Network Services -- Wireless Networks -- Multicast in Multi-channel Wireless Mesh Networks -- Ambient Interference Effects in Wi-Fi Networks -- A Zone Assignment Algorithm for Fractional Frequency Reuse in Mobile WiMAX Networks -- Addressing and Routing -- Handling Transient Link Failures Using Alternate Next Hop Counters -- Efficient Recovery from False State in Distributed Routing Algorithms -- IP Fast Reroute in Networks with Shared Risk Links -- EAU: Efficient Address Updating for Seamless Handover in Multi-homed Mobile Environments -- Applications and Services -- Speculative Validation of Web Objects for Further Reducing the User-Perceived Latency -- Dynamic Service Placement in Shared Service Hosting Infrastructures -- Evaluating the Impact of a Novel Warning Message Dissemination Scheme for VANETs Using Real City Maps -- Ad Hoc and Sensor Networks -- Resource Optimization Algorithm for Sparse Time-Driven Sensor Networks -- Routing Protocol for Anycast Communications in a Wireless Sensor Network -- Fault-Tolerant Power-Aware Topology Control for Ad-Hoc Wireless Networks -- Work in Progress -- Server Guaranteed Cap: An Incentive Mechanism for Maximizing Streaming Quality in Heterogeneous Overlays -- End-to-End Throughput with Cooperative Communication in Multi-channel Wireless Networks -- Cost Bounds of Multicast Light-Trees in WDM Networks -- Bidirectional Range Extension for TCAM-Based Packet Classification -- Estimating the Economic Value of Flexibility in Access Network Unbundling -- Intercarrier Compensation between Providers of Different Layers: Advantages of Transmission Initiator Determination -- Application of Secondary Information for Misbehavior Detection in VANETs -- Path Attestation Scheme to Avert DDoS Flood Attacks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 9th IFIP-TC6 Networking Conference, Networking 2010. Papers were solicited in three broad topic areas: applications and services, network technologies, and internet design. All papers were considered on their merits by a unified Technical Program Committee (TPC); there was no attempt to enforce a quota among topic areas. We believe the resulting program is an excellent representation of the breadth of recent advances in networking research. This year, the conference received 101 full paper submissions from 23 countries on 6 continents, reflecting a strong diversity in the networking community. Similarly, the 92 members of the TPC are from 21 countries and include a mix of academic, industry, and governmental affiliations. The TPC members, aided by some 50 external reviewers, provided a total of 470 reviews and follow-up discussions totaling more than 200 messages. The final selections were made at a TPC meeting hosted by Columbia University in New York City, with both in-person and remote participation. In total, authors of accepted papers have academic and industry affiliations in 15 countries. We finally selected 24 papers for presentation during the conference technical sessions. A small number of papers were assigned a shepherd from the TPC to assist in paper revision. These statistics represent an acceptance rate of just under 24%, comparable to that of previous years. The TPC also identified several papers that reflect particularly promising early results; these papers were selected for presentation as work-in-progress papers and are identified as such in the proceedings.
