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Interaction Model and Routing Scheme for QoS Support in Ad Hoc Networks Connected to Fixed Networks -- Load Analysis of Topology-Unaware TDMA MAC Policies for Ad Hoc Networks -- Performance of TCP/IP with MEDF Scheduling -- Ping Trunking: A Vegas-Like Congestion Control Mechanism for Aggregated Traffic -- An Aggregate Flow Marker for Improving TCP Fairness in Multiple Domain DiffServ Networks -- Combined Use of Prioritized AIMD and Flow-Based Traffic Splitting for Robust TCP Load Balancing -- Online Traffic Engineering: A Hybrid IGP+MPLS Routing Approach -- A Fast Heuristic for Genetic Algorithms in Link Weight Optimization -- A New Prediction-Based Routing and Wavelength Assignment Mechanism for Optical Transport Networks -- On the Construction of QoS Enabled Overlay Networks -- MPLS Protection Switching Versus OSPF Rerouting -- A Distributed-Request-Based DiffServ CAC for Seamless Fast-Handoff in Mobile Internet -- Cross-Layer Analytical Modeling of Wireless Channels for Accurate Performance Evaluation -- Efficiency Issues in MPLS Transport for the UMTS Access Network -- QoS Constraints in Bluetooth-Based Wireless Sensor Networks -- Quality of Service Routing -- A Distributed Algorithm to Provide QoS by Avoiding Cycles in Routes -- The Case for Source Address Dependent Routing in Multihoming -- QoS Routing in DWDM Optical Packet Networks -- A Proposal for Inter-domain QoS Routing Based on Distributed Overlay Entities and QBGP -- Policy-Aware Connectionless Routing -- Maximum Flow Routing with Weighted Max-Min Fairness -- Survivable Online Routing for MPLS Traffic Engineering -- Smart Routing with Learning-Based QoS-Aware Meta-strategies -- Internet Charging and QoS Technology -- An Efficient Auction Mechanism for Hierarchically Structured Bandwidth Markets -- Multi-bid Versus Progressive Second Price Auctions in a Stochastic Environment -- Distributed Multi-link Auctions for Network Resource Reservation and Pricing -- A Game-Theoretic Analysis of TCP Vegas -- BarterRoam: A Novel Mobile and Wireless Roaming Settlement Model -- Charging for Web Content Pre-fetching in 3G Networks -- Provider-Level Service Agreements for Inter-domain QoS Delivery -- Operations Support System for End-to-End QoS Reporting and SLA Violation Monitoring in Mobile Services Environment.