A swarm intelligent scheme for routing in mobile ad hoc networks  
A new approach for supporting QoS in mac layer over MANETs  
Localized cluster-based re-routing and resource reservation in mobile ad hoc networks  
Localization in vehicular ad hoc networks  
QoS path selection exploiting minimum link delays in MPLS-based networks  
QoS and energy consumption in wireless sensor networks using CSMA/CA  
Efficient handoff decision algorithm using differential RSSI in MPLS-based mobile IP network  
SNR investigation of beam forming in IS=95 CDMA base station receiver  
Advanced mobility models for ad hoc network simulations  
Modeling of fault-tolerant mobile agents execution in distributed systems  
Distributed mobility control for fault-tolerant mobile networks  
Performance of secure ad hoc sensor networks utilizing IEEE802.11b WEP  
A new tuning maximum congestion window for improving TCP performance in MANET  
A wireless monitoring system for pulse-oximetry sensors  
A simulation framework for evaluating Internet pricing mechanisms  
IDEEM : an Internet delay emulator approach for assessing VoIP quality  
Comparative study of MPNT topological models  
BAP sparsing : a novel approach to MPEG-4 body animation parameter compression  
Unequal error protection for ROI coded images over fading channels  
Host anomaly detection performance analysis based on system call of neuro-fuzzy using soundex algorithm and N-gram technique  
Framework for secure audio streaming to wireless access network  
Performance analysis of random access channel in OFDMA systems  
QoS support for time-constrained multimedia communications in IEEE 802.11 WLANs : a performance evaluation  
Building multicast trees for multimedia streaming in heterogeneous P2P networks  
Design and performance of a stand-alone media server  
An energy-saving algorithm for the initialization of single hop mobile ad hoc networks  
Research on multi-zone and hierarchical routing for video gatekeeper based on agent  
Multimedia performance assessments in deployed UMTS networks  
Application-perceived throughput process in wireless systems  
On the development of a reduced-reference perceptual image quality metric  
An efficient method for perceptual evaluation of speech quality in UMTS  
Interactive TV show based on avatars  
SMDP : a simple multimedia service description protocol on the Internet  
Comparison of uniform and non-uniform M-QAM schemes for mobile video applications  
A hierarchy description framework for multimedia documents in the data stream environments  
A flexible communication toolkit for synchronous groupware
Optical routing border gateway protocol-based advance lightpath setup p. 223
One-way resource reservation protocols for IP over optical burst switched mesh networks p. 229
Optimization of services-into-burst multiplexing based on hopfield network p. 235
A QoS provisioned CIOQ packet switch using crossbar structure with m internal links p. 241
A tree division approach to support local failure recovery for multicasting in MPLS networks p. 249
A DBT-based mobile multicast protocol p. 255
Traffic engineering in enterprise ethernet with multiple spanning tree regions p. 261
An efficient algorithm for routing in WDM networks p. 268
Multi-path traffic engineering distributed VPLS routing algorithm p. 275
A novel fairness based criticality avoidance routing algorithm for wavelength routed optical networks p. 281
On the performance of bandwidth estimation tools p. 287
Implementation issues of managed bandwidth service : the case of GRNET p. 293
Analysis of threshold based queue with MMPP arrival process p. 299
A finite-state markov chain model for statistical loss across a RED queue p. 305
Shared protection in wavelength-routed optical mesh networks under dynamic traffic and no wavelength conversion p. 312
Bandwidth and latency model for DHT based peer-to-peer networks under variable churn p. 320
Adding multi-class routing into the DiffServ architecture p. 326
Towards multi-purpose wireless sensor networks p. 336
Design and implementation of WiMoCA node for a body area wireless sensor network p. 342
A framework for ambient applications - context-based autonomous extension of applications p. 348
State-driven energy optimization in wireless sensor networks p. 356
CoLaNet : a cross-layer design of energy-efficient wireless sensor networks p. 364
MOBMAC - an energy efficient and low latency MAC for mobile wireless sensor networks p. 370
A coordination middleware for wireless sensor networks p. 377
Distributed sensor network data fusion using image processing p. 383
Estimation of linear stochastic systems over a queueing network p. 389
Directed flooding : a fault-tolerant routing protocol for wireless sensor networks p. 395
Characterizing the impact of routing holes on geographic routing p. 401
A matrix-based fast calculation algorithm for estimating network capacity of MANETs p. 407
Dynamic software reconfiguration in sensor networks p. 413
A real-time node-based traffic anomaly detection algorithm for wireless sensor networks p. 422
Evaluation of security mechanisms in wireless sensor networks p. 428
Architectural and functional issues in systems requirements specifications for wireless intrusion detection systems implementation p. 434
Intelligent protocols based on sensor signal change detection  p. 443
An energy-efficient and low-latency routing protocol for wireless sensor networks  p. 449
Optimal weighting of networked electronic noses for the source localization  p. 455

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.