Impact of desynchronization on PPM UWB systems: a capacity based approach p. 198
Capacity-approaching codes on the Q-ary symmetric channel for large Q p. 204
Distributed source coding using serially-concatenated-accumulate codes p. 209
Results on punctured LDPC codes p. 215
Instanton method of post-error-correction analytical evaluation p. 220
Generalized belief propagation receiver for near-optimal detection of two-dimensional channels with memory p. 225
Upper bounds on rate of LDPC codes for Gilbert-Elliott channels p. 230
RT oblivious erasure correcting p. 236
Signature coding and information transfer for the multiple access adder channel p. 242
On the advantage of network coding for improving network throughput p. 247
Using the BCH construction to generate robust linear hash functions p. 250
Information theoretic approach to the Perron root of nonnegative irreducible matrices p. 254
Space-time information propagation in mobile ad hoc wireless networks p. 254
Mutual information and conditional mean estimation in poisson channels p. 260
Digital fountains: a survey and look forward p. 271
Transmitter cooperation in ad-hoc wireless networks: does dirty-paper coding beat relaying? p. 277
Network coding gain of combination networks p. 283
Power control and scheduling for interfering links p. 288
Achievable diversity -vs- multiplexing tradeoffs in half-duplex cooperative channels p. 292
On multiple access for distributed dependent sources: a content-based group testing approach p. 298
Minimum-energy multicast in mobile ad hoc networks using network coding p. 304
Decentralized network coding p. 310
Combining data fusion with joint source-channel coding of correlated sensors p. 315
Source-channel coding for algebraic multiterminal binning p. 318
On source and channel codes for multiple inputs and outputs: does multiple description beat space time? p. 324
Source coding with feed-forward p. 330
On the variable-delay reliability function of discrete memoryless channels with access to noisy feedback p. 336
Broadcasting with fidelity criteria p. 342
On error exponents of nested lattice codes for the AWGN channel p. 348
Error exponents for channel coding with side information p. 353
Diversity gain region for MIMO fading broadcast channels p. 359
On the capacity of vector Gaussian interference channels p. 365
Full diversity unitary space-time Bruhat constellations p. 370
Weighted space-time bit-interleaved coded modulation p. 375
On the outage probability of quasi-orthogonal space-time codes p. 381
Efficient multiuser cooperation strategies using QAM space-time block codes p. 387
On space-time codes and constellation labeling p. 393
Collaborative beamforming in ad hoc networks
Outage capacities of space-time architectures
An upper bound on SNR for limited feedback MIMO beamforming systems
Capacity analysis of MIMO systems with unknown channel state information
Optimum transmit architecture of a MIMO system under modulus channel knowledge at the transmitter
On the costs of channel state information
MIMO channels in the low SNR regime: communication rate, error exponent and signal peakiness
Capacity of space-time wireless channels: a physical perspective
Delay-limited capacity and maximum throughput of spatially correlated multiple antenna systems under average and peak-power constraints
On capacity for single frequency spatial channels
Gaussian multiple-access channels under received-power constraints
Outage minimization and optimal power control for the fading relay channel
Wireless networks, diversity and space-time codes
Capacity, architecture, protocols and sensing in wireless networks

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