

Multiuser Detection References

- [[Abdu94](#)] M. Abdulrahman, A. Sheikh and D. Falconer, “Decision Feedback Equalization for CDMA in Indoor Wireless Communications,” IEEE J. Sel. Areas Commun., vol 12, no. 4, pp. 698-706, May 1994.
- [[Alex98](#)] P.D. Alexander and L.K. Rasmussen, “On the Windowed Cholesky Factorization of the Time-Varying Asynchronous CDMA Channel,” IEEE Transactions on Communications, Vol. 46 No. 6, pp. 735-737, June 1998.
- [[Ande84](#)] J.B. Anderson and S. Mohan, “Sequential Coding Algorithms: A Survey and Cost Analysis,” IEEE Trans. Commun., vol 32, no. 2, pp. 169-176, February 1984.
- [[Arsl01](#)] H. Arslan and G.E. Bottomley, “Channel estimation in narrowband wireless communication systems,” *Wireless Commun. Mob. Comput.*, vol. 1, no. 2, pp. 201-219, April-June 2001.
- [[Arib98](#)] Assn. of Radio Industries and Businesses, *Evaluation Methodology for IMT-2000 Radio Transmission Technologies*, June 1998.
- [[Blan94](#)] J. Blanz, A. Klein, M. Nasshan and A. Steil, “Performance of a Cellular Hybrid T/CDMA Mobile Radio System Applying Joint Detection and Coherent Receiver Antenna Diversity,” IEEE J. Sel. Areas in Commun., vol. 12, no. 4, pp. 568-579, May 1994.
- [[Bhar01](#)] A. Bhargave, R.J.P. de Figueiredo and T. Eltoft, “A detection algorithm for the V-BLAST system,” *IEEE Globecom*, San Antonio, 2001.
- [[Bott99](#)] G.E. Bottomley, K.J. Molnar and S. Chennakeshu, “Interference cancellation with an array processing MLSE receiver,” IEEE Trans. Veh. Technol., vol. 48, no. 5, pp. 1321-1331, September 1999.
- [[Caff00](#)] J. Caffery and G.L. Stuber, “Nonlinear multiuser parameter estimation and tracking in CDMA systems,” IEEE Trans. Commun., vol. 48, no. 12, pp. 2053-2063, December 2000.
- [[Cave00](#)] J.K. Cavers, *Mobile Channel Characteristics*, Kluwer Academic Publishers, 2000.
- [[Cave00b](#)] J.K. Cavers, “Single-User and Multiuser Adaptive Maximal Ratio Transmission for Rayleigh Channels,” IEEE Trans. Veh. Technol., vol. 49, no. 6, pp. 2043-2050, November 2000.
- [[Chan00](#)] C.-M. Chang and K.-C. Chen, “Joint Linear Timing and Carrier Phase Estimation of DS-CDMA Multiuser Communications,” IEEE J. Select. Areas Commun., vol 18, no. 1, pp. 87-98, January 2000.
- [[Chen00](#)] Tsao-Tsen Chen and James S. Lehnert, “Multiuser Decision-Feedback Receivers for Asynchronous CDMA Systems over a Mismatched Flat Rayleigh Fading Channel,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 48, NO. 9, pp. 1563-1570, SEPTEMBER 2000

- [[Corr99](#)] Neiyer S. Correal, R. Michael Buehrer and Brian D. Woerner, “A DSP -Based DS–CDMA Multiuser Receiver Employing Partial Parallel Interference Cancellation,” IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, VOL. 17, NO. 4, pp. 613-630, APRIL 1999.
- [[Divs98](#)] D. Divsalar, M.K. Simon and D. Raphaeli, “Improved Parallel Interference Cancellation for CDMA ,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 46, NO. 2, pp. 258-268, FEBRUARY 1998.
- [[Duel93](#)] A. Duel-Hallen, “Decorrelating Decision-Feedback Multiuser Detector for Synchronous Code-Division Multiple -Access Channel,” IEEE Trans. Commun., vol 41, no. 2, pp. 285-279, February 1993.
- [[Duel95](#)] A. Duel-Hallen, “A Family of Multi-User Decision Feedback Dectectors for Asynchronous Code -Division Multiple-Access Channels,” IEEE Trans. Commun., vol. 43, no. 2, April 1995.
- [[Elga00](#)] Hesham El Gamal, and Evangelos Geraniotis, “Iterative Multiuser Detection for Coded CDMA Signals in AWGN and Fading Channels,” IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, VOL. 18, NO. 1, pp. 30-41, JANUARY 2000.
- [[Fang00](#)] Lin Fang and Laurence B. Milstein, “Successive Interference Cancellation in Multicarrier DS/CDMA,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 48, NO. 9, pp. 1530-1540, SEPTEMBER 2000.
- [[Ghaz98](#)] V. Ghazi-Moghadam and M. Kaveh, “A CDMA Interference Canceling Receiver with an Adaptive Blind Array,” IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, VOL. 16, NO. 8, pp. 1542-1554, OCTOBER 1998.
- [[Gilh91](#)] K.S. Gilhousen *et al.*, “On the Capacity of a Cellular CDMA System,” *IEEE Trans. Veh. Technol.*, vol. 40, no. 2, pp. 303-312, May 1991.
- [[Glis97](#)] S. Glisic and B. Vucetic, *Spread Spectrum CDMA Systems for Wireless Communications*, Artech House, 1997.
- [[Gran98](#)] S.J Grant and J.K. Cavers, “Performance Enhancement Through Joint Detection of Cochannel Signals Using Diversity Arrays”, *IEEE Trans Commun*, vol 46, no 8, pp1038-1049, August 1998.
- [[Gran99](#)] S.J. Grant and J.K. Cavers, “Increased Uplink Capacity for TDMA Systems Through Joint Detection and Diversity Arrays”, *IEEE Veh Technol Conf., Fall*, Amsterdam, September 1999.
- [[Gran00](#)] S.J. Grant and J.K. Cavers, “Further Analytical Results on the Joint Detection of Cochannel Signals Using Diversity Arrays”, *IEEE Trans. Commun.*, vol. 48, no. 11, pp. 1788-1792, November 2000.
- [[Gran01](#)] S.J. Grant and J.K. Cavers, “Multiuser Channel Estimation for Detection of Cochannel Signals,” *IEEE Trans. Commun.*, vol. 49, no. 10, pp. 1845-1855, October 2001.

- [Guo99] D. Guo, L.K. Rasmussen and T.J. Lim, “Linear Parallel Interference Cancellation in Long-Code CDMA Multiuser Detection,”, *IEEE J. Sel. Areas in Commun.*, vol 17, no. 12, pp. 2074-2081, December 1999.
- [Guo01] Z. Guo and K.B. Letaief, “An effective multiuser receiver for DS/CDMA systems,” *IEEE J. Sel. Areas Commun.*, vol. 19, no. 6, pp. 1019-1028, June 2001.
- [Hicks01] J. Hicks, S. Bayram, W.H. Tranter, R.J. Boyle and J.H. Reed, “Overloaded array processing with spatially reduced search joint detection,” *IEEE J. Sel. Areas in Commun.*, vol. 19, no. 8, pp. 1584-1593, August 2001.
- [Ho01] Derek J.W. Ho, Multiuser Detection of QPSK Using a Delayed Decision Feedback Sequence Estimator,” M.Eng. Thesis, Simon Fraser University, 2001.
- [Hu00] J. Hu and R.S. Blum, “A gradient guided search algorithm for multiuser detection,”, *IEEE Commun. Lett.*, vol. 4, no. 11, pp. 337-339, November 2000.
- [Ilti94] R.A. Iltis and L. Mailaender, “An Amplitude Multiuser Detector with Joint Amplitude and Delay Estimation,” *IEEE J. Sel. Areas in Commun.*, vol. 12, no. 4, pp. 774-785, June 1994.
- [Jans00] G.J.M. Janssen and S. Ben Slimane, “Symbol Error Probability of M-PSK Multiuser Detector Based on Successive Cancellation,” *Electron. Lett.*, vol. 36, no. 25, pp. 2103-2105, 7 Dec. 2000 .
- [Jans02] G.J.M Janssen and S. Ben Slimane, “Symbol Error Probability Analysis of a Multiuser Detector for M-PSK Signals Based on Successive Cancellation,” *IEEE J. Selected Areas Commun.*, vol. 20, no. 2, pp. 330-338, February 2002.
- [Jung95] P. Jung and J. Blanz, “Joint detection with coherent receiver antenna diversity in CDMA mobile radio systems,” *IEEE Trans. Veh. Technol.*, vol. 44, pp. 76–88, Feb. 1995.
- [Junt97] M.J. Juntti and B. Aazhang, “Finite Memory-Length Linear Multiuser Detection for Asynchronous CDMA Communications,” *IEEE Trans. Commun.*, vol. 45, no. 5, pp. 611-622, May 1997.
- [Junt98] M.J. Juntti, B. Aazhang and J.O. Lilleberg, “Iterative Implementation of Linear Multiuser Detection for Dynamic Asynchronous CDMA Systems,” *IEEE Trans. Commun.*, vol 46, no. 4, pp 503-508, April 1998.
- [Junt99] M.J. Juntti and M. Latva -aho, “Bit-Error Probability Analysis of Linear Receivers for CDMA Systems in Frequency-Selective Fading Channels,” *IEEE Trans. Commun.*, vol 47, no. 12, pp. 1788-1791, December 1999.
- [Juntt00a] M.J. Juntti and M. Latva -aho, “Multiuser Receivers for CDMA Systems in Rayleigh Fading Channels,”, *IEEE Trans. Veh. Technol.*, vol. 49, no. 3, pp. 885-889, May 2000.

- [[Junt00b](#)] M.J. Juntti, “Performance Analysis of Linear Multisensor Multiuser Receivers for CDMA in Fading Channels,” *IEEE J. Sel. Areas in Commun.*, vol 18, no. 7, pp. 1221-1229, July 2000.
- [[Kand95](#)] S. Kandala and E.W. Sousa, “Multi-user multi-sensor detectors for CDMA networks,” *IEEE Trans. Commun.* vol. 43, no. 2/3/4, pp. 946-967, Feb/March/April 1995.
- [[Latv97](#)] M. Latva-aho, M. Juntti, and M. Heikkilä, “Parallel interference cancellation receiver for DS-CDMA systems in fading channels,” *IEEE Proc. Int. Symp. Personal, Indoor and Mobile Radio Commun.*, vol. 2, Helsinki, Finland, pp. 559–564, Sept. 1–4, 1997.
- [[Latv00](#)] M. Latva-aho and M.J. Juntti, “LMMSE Detection for DS-CDMA Systems in Fading Channels,” *IEEE Trans. Commun.*, vol 48, no. 4, pp. 194-199, February 2000.
- [[Lim97](#)] T.J. Lim and L.K. Rasmussen, “Adaptive symbol and parameter estimation in asynchronous multiuser CDMA detectors,” *IEEE Trans. Commun.*, vol 45, no. 2, pp. 213-220, February, 1997.
- [[Lim98](#)] T.J. Lim and S. Roy, “Adaptive Filters in multiuser (MU) CDMA detection,” *Wireless Networks*, vol. 4, no. 4, pp. 307-318, 1998.
- [[Liu97](#)] H. Liu and G. Xu, “Smart Antennas in Wireless Systems: Uplink Multiuser Blind Channel and Sequence Detection,” *IEEE Trans. Commun.*, vol. 45, no. 2, pp. 187-199, February 1997.
- [[Lott99](#)] M.P. Lotter and P. van Rooyen, “Cellular Channel Modeling and the Performance of DS-CDMA Systems with Antenna Arrays,” *IEEE J. Sel. Areas in Commun.*, vol 17, no. 12, pp. 22182-2190, December 1999.
- [[Lupa90](#)] R. Lupas and S. Verdu, “Near-Far Resistance of Multiuser Detectors in Asynchronous Channels,” *IEEE Trans. Commun.*, vol 38, no. 4, pp. 496-508, April 1990.
- [[Lupa89](#)] R. Lupas and S. Verdu, “Linear Multiuser Detectors for Synchronous Code-Division Multiple-Access Channels,” *IEEE Trans. Inf. Th.*, vol 35, no. 1, pp. 123-136, January 1989.
- [[Medv01](#)] I. Medvedev and V. Tarokh, “A Channel-Shortening Multiuser Dector for DS-CDMA Systems,” *IEEE Veh Technol Conf*, Spring, 2001.
- [[Mazo91](#)] J.E. Mazo, “Exact Matched Filter Bound for Two-Beam Rayleigh Fading,” *IEEE Trans. Commun.*, vol 39, no. 7, pp. 1027-1030, July 1991.
- [[Mohe98a](#)] M. Moher, “An Iterative Multiuser Decoder for Near-Capacity Communications,” *IEEE Transactions on Communications*, Volume 46, Number 7, pp. 870-880, July 1998
- [[Mohe98b](#)] M. Moher and P. Guinand, “An Iterative Algorithm for Asynchronous Coded Multiuser Detection,” *IEEE Communications Letters* Volume 2 Number 8, pp. 229-231, August 1998.

- [[Monk94](#)] A.M. Monk, M. Davis, L.B. Milstein and C.W. Helstrom, “A Noise Whitening Approach to Multiple Access Noise Rejection – Part I: Theory and Background,” IEEE Trans. Sel. Areas in Commun., vol 12, no. 5, pp. 817-827, June 1994.
- [[Mosh96](#)] S. Moshavi, “Multi-User Detection for DS-CDMA Communications,” IEEE Comms. Mag., vol. 34, no. 10, pp. 124-136, October, 1996.
- [[Park96](#)] S. Parkvall, E. Strom and B. Ottersten, “The Impact of Timing Errors on the Performance of Linear DS-CDMA Receivers,” IEEE J. Sel. Areas in Commun., vol 44, no. 8, pp. 1660-1668, October 1996.
- [[Pate94](#)] P. Patel and J. Holtzman, “Analysis of a Simple Successive Interference Cancellation Scheme in a DS/CDMA System,” IEEE J. Sel. Areas Commun., vol. 12, no. 5, pp. 796-807, June 1994.
- [[Poor89](#)] H.V. Poor, “On Parameter Estimation in DS/SSMA Formats,” in *Advances in Communications and Signal Processing*, Springer-Verlag, 1989.
- [[Proa95](#)] J.G. Proakis, Digital Communications, 3rd ed., McGraw-Hill, 1995.
- [[Rasm00](#)] L. K. Rasmussen, T. J. Lim and A.-L. Johansson, “A Matrix-Algebraic Approach to Successive Interference Cancellation in CDMA,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 48, NO. 1, pp. 145-151, JANUARY 2000.
- [[Rapa94](#)] P.B. Rapajic and B.S. Vucetic, “Adaptive Receiver Structures for Asynchronous CDMA Systems,” *IEEE J. Sel. Areas in Commun.*, vol. 12, no. 4, pp. 685-697, May 1994.
- [[Rapa99](#)] P.B. Rapajic and D.K. Borah, “Adaptive MMSE Maximum Likelihood CDMA Multiuser Detection,” *IEEE J. Sel. Areas in Commun.*, vol 17, no. 12, pp. 2110-2122, December 1999.
- [[Reed98](#)] M.C. Reed, C.B. Schlegel, P.D. Alexander and J. A. Asenstorfer, “Iterative Multiuser Detection for CDMA with FEC: Near-Single-User Performance,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 46, NO. 12, pp. 1693-1699, DECEMBER 1998.
- [[Reed99](#)] M.C. Reed and P.D. Alexander, “Iterative Multiuser Detection Using Antenna Arrays and FEC on Multipath Channels,” *IEEE J. Sel. Areas in Commun.*, vol 17, no. 12, pp. 2082-2089, December 1999.
- [[Rooy00](#)] P. van Rooyen, M. Lotter and D. van Wyck, *Space-Time Processing for CDMA Mobile Communications*, Kluwer Academic Publishers, 2000.
- [[Sawa98](#)] M. Sawahashi, H. Andoh and K. Higuchi, “Interference Rejection Weight Control for Pilot Symbol Assisted Coherent Multistage Canceller Using Recursive Channel Estimation in DS-CDMA Mobile Radio,” IEICE Trans. Fundamentals, vol. E81-A, no. 5, pp. 957-971, May 1998.

- [Schl97] C. Schlegel and L. Wei , “A Simple Way to Compute the Minimum Distance in Multiuser CDMA Systems,” *IEEE TRANSACTIONS ON COMMUNICATIONS*, VOL. 45, NO. 5, pp. 532-535, MAY 1997.
- [Schw66] M. Schwartz, W. Bennett and S. Stein, *Communications Systems and Techniques*, McGraw-Hill, 1966.
- [Seng01] C. Sengupta, J.R. Cavallaro and B. Aazhang, “On multipath channel estimation for CDMA systems using multiple sensors,” *IEEE Trans. Commun.*, vol 49, no. 3, pp. 543-553, March 2001.
- [Simm90] S. Simmons, “Breadth-first trellis decoding with adaptive effort,” *IEEE Trans. Commun.*, vol. 38, no. 1, pp. 3-12, January 1990.
- [Smit99] R.F. Smith and S.L. Miller, “Acquisition performance of an adaptive receiver for DS-CDMA,” *IEEE Trans. Commun.*, vol. 47, no. 9, pp. 1416-1424, September, 1999.
- [Stro94] E.G. Strom, S. Parkvall, S.L. Miller and B.E Ottersten, “Sensitivity Analysis of Near-Far Resistant DS-CDMA Receivers to Propagation Delay Estimation Errors,” *Proc. IEEE Veh. Technol. Conf.*, Stockholm, June 1994.
- [Stro96] E. G. Ström, S. Parkvall, S. L. Miller, and B. E. Ottersten, “DS-CDMA synchronization in time-varying fading channels,” *IEEE J. Select. Areas Commun.*, vol. 14, pp. 1636–1642, Oct. 1996.
- [Stro00] E.G. Strom and F. Malmsten, “A Maximum Likelihood Approach for Estimating CD-CDMA Multipath Fading Channels,” *IEEE J. Select. Areas Commun.*, vol. 18, no. 1, pp. 132-140, January 2000.
- [Stub96] G.L. Stuber, *Principles of Mobile Communication*, Kluwer Academic Publishers, 1996.
- [Swar99] F. Swarts, P. van Rooyen, I. Opperman and M. Lotter, *CDMA Techniques for Third Generation Mobile Systems*, Kluwer Academic Publishers, 1999.
- [Tan00] Peng H. Tan and Lars K. Rasmussen, “Linear Interference Cancellation in CDMA Based on Iterative Techniques for Linear Equation Systems,” *IEEE Trans. Commun.*, Vol. 48, No. 12, pp. 2099- 2108, December 2000.
- [Tan01] P.H. Tan, L.K. Rasmussen and T.J. Lim, “Constrained maximum-likelihood detection in CDMA”, *IEEE Trans. Commun.*, vol. 49, no. 1, pp. 142-153, January 2001.
- [Tide95] C. Tidestav, A. Ahlen, and M. Sternad, “Narrowband and broadband multiuser detection using a multivariable DFE,” in *Proc. IEEE Int. Symp. Personal, Indoor, and Mobile Radio Communications*, Toronto, Canada, vol. 2, pp. 732–736, Sept. 1995.
- [Tide99] C. Tidestav, M. Sternad and A. Ahlen, “Reuse Within a Cell – Interference Rejection or Multiuser Detection?” *IEEE Trans. Commun.*, vol. 47, no. 10, pp. 1511-1522, October 1999.

- [[Unge74](#)] G. Ungerboeck, “Adaptive maximum-likelihood receiver for carrier-modulated data transmission systems,” IEEE Trans. Commun., vol. COM-22, pp. 624-636, May 1974.
- [[Vara89](#)] M.K. Varanasi and B. Aazhang, “Probability of Error Comparison of Linear and Iterative Multiuser Detectors,” in *Advances in Communications and Signal Processing*, Springer-Verlag, 1989.
- [[Vara90](#)] M.K. Varanasi and B. Aazhang, “Multistage Detection in Asynchronous Code-Division Multiple-Access Communications,” IEEE Trans. Commun, vol 38, no. 4, pp. 509-519, April 1990.
- [[Vara91](#)] M.K. Varanasi and B. Aazhang, “Near-Optimum Detection in Synchronous Code-Division Multiple Access Systems,” IEEE Trans. Commun., vol. 39, no. 5, pp 725-736, May 1991.
- [[Vasu94](#)] S. Vasudevan and M.K. Varanasi, “Optimum Diversity Combiner Based Multiuser Detection for Time-Dispersive Rician Fading CDMA Channels,” *IEEE J. Sel. Areas in Commun.*, vol. 12, no. 4, pp. 580-592, May 1994.
- [[Vara97](#)] M.K. Varanasi and T. Guess, “Optimum Decision Feedback Multiuser Equalization with Successive Decoding Achieves the Total Capacity of the Gaussian Multiple-Access Channel,” *Proc. Asilomar Conf.*, 1997.
- [[Vite95](#)] A.J. Viterbi, *Principles of Spread Spectrum Communication*, Addison-Wesley, 1995.
- [[Verd86](#)] S. Verdu, “Minimum Probability of Error for Asynchronous Gaussian Multiple-Access Channels,” IEEE Trans. Inf. Th., vol IT-32, no. 1, pp. 85-96, January 1986.
- [[Verd86b](#)] S. Verdu, “Optimum Multiuser Asymptotic Efficiency,” *IEEE Trans. Inf. Th.*, vol COM-34, no. 9, pp. 890-897, September 1986.
- [[Wang01](#)] J. Wang, *Blind Multiuser Detection Algorithms for Time-Varying Channels with Diversity Antenna Arrays*, Ph.D. Thesis, Simon Fraser University, April 2001.
- [[Wei96](#)] L. Wei and L.K. Rasmussen, “Near Ideal Noise Whitening Filter for an Asynchronous Time-Varying CDMA System,” IEEE Trans. Commun., vol. 44, no. 10, pp. 1355-1361, October 1996.
- [[Wei97](#)] L. Wei, L.K. Rasmussen and R. Wyrwas, “Near Optimum Tree-Search Detection Schemes for Bit-Synchronous Multiuser CDMA Systems over Gaussian and Two-Path Rayleigh-Fading Channels,” IEEE Trans. Commun. vol 45, no. 6, pp. 691-700, June 1997.
- [[Wei98](#)] L. Wei, “A Simple Way to Compute Minimum Euclidean Distance for Synchronous Coded Multiuser Systems,” IEEE COMMUNICATIONS LETTERS, VOL. 2, NO. 5, pp. 120-121, MAY 1998.
- [[Wei99](#)] L. Wei and R. Jana, “Performance Bounds for Optimum Multiuser DS-CDMA Systems,” IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 47, NO. 2, pp. 185-190, FEBRUARY 1999

- [[Welb01](#)] L. Welburn, *Macrodiversity and Multiuser Detection: High Performance Tools in a DS-CDMA Environment*, PhD. Thesis, Simon Fraser University, May 2001.
- [[Weng99](#)] J. Weng, G. Xue, T. Le-Ngoc and S. Tahar, “Multistage Interference Cancelation with Diversity Reception for Asynchronous QPSK DS/CDMA Systems over Multipath Fading Channels,” *IEEE J. Sel. Areas in Commun.*, vol 17, no. 12, pp. 2162-2180, December 1999.
- [[Xie90](#)] Z. Xie, R. T. Short, and C. K. Rushforth, “A family of suboptimum detectors for coherent multiuser communications,” *IEEE J. Select. Areas Commun.*, vol. 8, pp. 683–690, May 1990.
- [[Xie93](#)] Z. Xie, C. Rushforth, R. Short, and T. K. Moon, “Joint signal detection and parameter estimation in multiuser communications,” *IEEE Trans. Commun.*, vol. 41, pp. 1208–1215, Aug. 1993.
- [[Xue99](#)] Guoqiang Xue, Jianfeng Weng, Tho Le-Ngoc and Sofiene Tahar, “Adaptive Multistage Parallel Interference Cancellation for CDMA,” *IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS*, VOL. 17, NO. 10, pp. 1815-1827, OCTOBER 1999
- [[Zvon94](#)] Z. Zvonar and D. Brady, “Multiuser Detection in Single-Path Fading Channels,” *IEEE Trans. Commun.*, vol 42, no. 2/3/4, pp. 1729-1739, Feb/Mar/April, 1994.
- [[Zvon96a](#)] Z. Zvonar and D. Brady, “Linear Multipath-Decorrelating Receivers for CDMA Frequency-Selective Fading Channels,” *IEEE Trans. Commun.*, vol 44, no. 6, pp. 650-653, June 1996.
- [[Zvon96b](#)] Z. Zvonar, “Combined Multiuser Detection and Diversity Reception for Wireless CDMA Systems,” *IEEE Trans. Veh. Technol.*, vol. 45, no. 1, pp. 205-211, February 1996.