

References

- [1] Kaveh Pahlavan and Allen H. Levesque, “Wireless Information Networks”, John Wiley & Sons Ltd, 2005, PP.53-72, 341-353.
- [2] Azzedine Boukerche, “Handbook of Algorithms for Wireless Networking and Mobile Computing”, University of Ottawa Canada, Taylor & Francis Group, 2006, PP.20-26.
- [3] Harri Holma and Antti Toskala, “WCDMA for UMTS – HSPA evolution and LTE”, 4th ed, John Wiley & Sons Ltd, 2007, PP.1-8, 47-64.
- [4] www.WirelessCommunication.NL.
- [5] Feng-Cheng Yang, “Forest Channel Characterization in the 5 GHz Band”, M.S. thesis, Ohio University, November 2008.
- [6] Susheel Kumar Bokdia Rajendar, “Characterization and Modeling of Wireless Channel Transitions”, M.S. thesis, the Russ College of Engineering and Technology of Ohio University, March 2009.
- [7] Michel C.Jeruchim, Philip Balaban, and K.Sam Shanmugan, “Simulation of Communication Systems Modeling, Methodology, and Techniques”, 2nd ed., Kluwer Academic/Plenum Publishers, New York, 2000, PP.545-550.
- [8] Yong Xu, “Resource Management and QoS Control in Multiple Traffic Wireless and Mobile Communication Systems”, M.S. thesis, University of Cincinnati, 2005.
- [9] Qian Zhang, “Wireless Near-ground Channel Characteristics in several Unlicensed Bands”, M.S. thesis, School of EECS, Ohio University, Athens, Ohio, U.S., 2008, pp.19 -29.

- [10] Vijay K. Garg, “Wireless Communications and Networking”, Elsevier Inc, 2007, PP.1-20, 47-247, 369-395.
- [11] Sachin Rawat, “Implementation of a Forward Error Correction Technique using Convolutional Encoding with Viterbi Decoding”, M.S. thesis, Ohio University, March 2004.
- [12] Jason R. Hess, “Implementation of a Turbo Decoder on a Configurable Computing Platform”, M.S. thesis, Virginia Polytechnic Institute and State University, 1999.
- [13] Bart Blanchard, “Quantization Effects and Implementation Considerations for Turbo Decoders” M.S. thesis, University of Florida, 2002.
- [14] Kai-Jen Cheng, “Comparison and Analysis Stopping Rules for Iterative Decoding of Turbo Codes”, M.S. thesis, Ohio University, June 2008.
- [15] Samirkumar Ranpara, “On a Viterbi Decoder Design for Low Power Dissipation”, M.S. thesis, Virginia Polytechnic Institute and State University, April, 1999.
- [16] Perttu Salmela, Harri Sorokin, and Jarmo Takala, “A Programmable Max-Log-MAP Turbo Decoder Implementation”, Hindawi Publishing Corporation VLSI Design, Volume 2008, Article ID 319095.
- [17] Chien-Ming Wu, “Exploration of area- efficient VLSI Architecture for Channel Decoding”, Ph.D. thesis, National Yunlin University of science & technology, June 2003.
- [18] Savo Glisic, “Advanced Wireless Communications 4G Technologies”, John Wiley & Sons Ltd, 2004, PP.25-54.

-
- [19] Jian Qi, "Turbo Code in IS-2000 Code Division Multiple Access Communications under Fading", M.S. thesis, Wichita State University, 1999.
- [20] Nyambane Rogers, "Hardware Implementation of a Re-programmable Turbo Decoder", Degree of Bachelor of Science, University of Cape Town Department of Electrical Engineering, October 2006.
- [21] Jia Fei, "On a Turbo Decoder Design for Low Power Dissipation", M.S. thesis, Virginia Polytechnic Institute and State University, 6 July 2000.
- [22] Seema Verma and Usha Landge, "VLSI Implementation of Turbo Decoders", Banasthali University, Unpublished paper.
- [23] Yufei Wu, "Implementation of Parallel and Serial Concatenated convolutional codes", Ph.D. thesis, Virginia Polytechnic Institute and State University, April 2000.
- [24] Abayomi Jemibewon, "A Smart Implementation of Turbo Decoding for Improved Power Efficiency", M.S. thesis, Virginia Polytechnic Institute and State University, July 7, 2000.
- [25] Charan Langton, "Turbo Decoding using the MAP Algorithm", 2006, www.complextoreal.com.
- [26] W. Bruce Puckett, "Implementation and Performance of an Improved turbo Decoder on a Configurable Computing Machine", M.S. thesis, Virginia Polytechnic Institute and State University, July 7, 2000.
- [27] William Webb, "Wireless Communications: The Future", John Wiley & Sons Ltd, 2007, PP.13-48.
- [28] Ibrahim A. Al-Mohandes, "Energy-Efficient Turbo Decoder for 3G Wireless Terminals", Ph.D. thesis, University of Waterloo, Canada, 2005.

-
- [29] Rajeshwari M. Banakar, “A Low Power Design Methodology for Turbo Encoder and Decoder”, Ph.D. thesis, Indian Institute of Technology, Delhi, India, July 2004.
- [30] Yun Yan, “Turbo Codes”, M.S. thesis, Ohio University, 1999.
- [31] J.M.Mathana, P.Rangarajan, “FPGA Implementation of High Speed Architecture for Max Log Map Turbo SISO Decoder”, International Journal of Recent Trends in Engineering, Vol 2, No. 6, November 2009.
- [32] Yi Zheng, “Unbalanced Power Allocation for Turbo Coded Spam and Assisted SOVA Decoder”, M.S. thesis, Huazhong University of Science and Technology, 2000.
- [33] Johann Briffa, “Interleavers for Turbo Codes”, M.S. thesis, Malta University, Oct 1999.
- [34] Patrick Guy Farrell and Jorge Castineira Moreira, “Essentials of Error-Control Coding”, John Wiley & Sons Ltd.2006, PP.41-54, 65-72, 157-257.
- [35] Alain Glavieux, “Channel Coding in Communication Networks from Theory to Turbo codes", Great Britain and the United States, 2007, PP.1-46, 129-166, 255-303.
- [36] Rodolfo Torrea-Duran, David Novo, Claude Desset, Frederik Naessens, and Liesbet Van der Perre, “adaptive early-stopping threshold for LTE Turbo Decoder”, 18th European signal processing conference, Denmark, 2010.
- [37] Andre Neubauer, Jürgen Freudenberger and Volker Kühn, “Coding Theory Algorithms, Architectures, and Applications”, John Wiley & Sons Ltd.2007, PP.13-46, 97-145, 163-186.
- [38] Wei Chen, “RTL Implementation of Viterbi Decoder”, M.S. thesis, Linköpings Universitet, Linköping June 02, 2006.

-
- [39] Payandeh, M. Ahmadian and M. Reza Aref, "Adaptive Secure Channel Coding Based on Punctured Turbo Codes", IEEE Proc.-Commun., Vol. 153, No. 2, April 2006.
- [40] Claude Shannon, "A Mathematical Theory of Communication", Bell System Technical Journal, Vol. 27, pp. 379–423, 623–656, July, October, 1948.
- [41] A. Wormy, H. Michel, and N. Wehn, "Power Minimization by Optimizing Data Transfers in Turbo-Decoder", University of Kaiserslautern, Germany, Unpublished paper.
- [42] Mathew C.valenti, "Iterative Detection and Decoding for Wireless Communication", Ph.D. thesis, Virginia Polytechnic Institute and State University, July 8, 1999.
- [43] Anwer A. Khan, "Iterative Decoding and Channel Estimation over Hidden Markov Fading Channels", M.S. thesis, Virginia Polytechnic Institute and State University, May 3, 2000.
- [44] Bernard Skalar, "Digital communications: Fundamentals and Applications", Prentice Hall, 2001, PP.328-348, 382-427, 475-504.
- [45] Engling Yeo, "VLSI Architectures for Iterative Decoders in Magnetic Recording Channels", IEEE transactions on magnetic, vol. 37, no. 2, march 2001.
- [46] Young-Sup Kim and Sung-Woong Ra, "A Simple Efficient Stopping Criterion for Turbo Decoder", ETRI Journal, Volume 28, Number 6, December 2006.
- [47] Yufei Wu, Brian D. Woerner, "A Simple Stopping Criterion for Turbo Decoding", IEEE communications letters, vol. 4, no. 8, august 2000.
- [48] Christopher Paul Dennett, "An Investigation of Turbo Codes over Mobile Wireless Channels", Ph.D. thesis, Wolverhampton University, October 2006.

-
- [49] Sanath Kumar Elechitaya Suresh, "System Level Design of a Turbo Decoder for Communication Systems", M.S. thesis, North Carolina State University, 2005.
- [50] Sumitha A. Krishnamurthi, "Performance of Recursive Maximum Likelihood Turbo Decoding", M.S. thesis, Virginia Polytechnic Institute and State University, August 2003.
- [51] Pooja Prakash Raorane, "Sampling Based Turbo and Turbo Concatenated Coded Non-coherent Modulation Schemes", M.S. thesis, Toledo University, August 2010.
- [52] G. Stuber, "Principles of Mobile Communications", 2nd ed., Kluwer Academic/Plenum Publishers, Norwell, 2001, PP.1-55, 98-103, 394-448.
- [53] <http://digital.ni.com/public.nsf/allkb/68F14E8E26B3D101862569350069E0B9>.
- [54] B. Sklar, "Digital Communications", Prentice Hall, NJ, 2001, PP. 945-958.
- [55] Horia Balta, Catherine Douillard and Maria Kovaci, "The Minimum Likelihood APP Based Early Stopping Criterion for Multi-Binary Turbo Codes", Buletinul Stiintific al Universitatii „Politehnica” Timisoara, Seria Electronica si Telecomunicatii, Tom 51-65 Electronica si Telecomunicatii, Fascicola 2, 2006, pp.199-203.
- [56] Akash Kumar Gupta and Sanjeet Kumar, "VHDL Implementation of different Turbo Encoder using Log-MAP Decoder", journal of telecommunications, volume 2, issue 1, February 2010.