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Publications List

Books Authored or Co-Authored

1. Jeffrey H. Reed, editor, "An Introduction to Ultrawideband Communications Systems" published by Prentice Hall, March 2005, ISBN: 0-13-148103-7.
2. Jeffrey H. Reed, *Software Radio: A Modern Approach to Radio Design*, May 2002, Prentice Hall, ISBN 0-13-081158-0.
3. Nishith D. Tripathi, Jeffrey H. Reed, Hugh F. VanLandingham, "Radio Resource Management in Cellular Systems," Kluwer Academic Publishers, Spring 2001

Books Edited

1. W. H. Tranter, B. D. Woerner, J. H. Reed, T. S. Rappaport, and P. M. Robert, *Wireless Personal Communications – Bluetooth and Other Technologies*, Kluwer Academic Publishers, 2000.
2. W. H. Tranter, B. D. Woerner, T. S. Rappaport, and J. H. Reed, *Wireless Personal Communications – Channel Modeling and Systems Engineering*, Kluwer Academic Publishers, 1999, 253 pages.
3. W. H. Tranter, T. S. Rappaport, B. D. Woerner, J. H. Reed, editors, *Wireless Personal Communications: Emerging Technologies for Enhanced Communications*, Kluwer Press, 1998, 329 pages.
4. T. S. Rappaport, B. D. Woerner, J. H. Reed, W. H. Tranter, editors, *Wireless Personal Communications: Improving Capacity, Services, and Reliability*, Kluwer Press, 1997, 225 pages.
5. J. H. Reed, B. D. Woerner, T. S. Rappaport, editors, *Wireless Personal Communications: Advances in Coverage and Capacity*, Kluwer Press, 1997, 223 pages.
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7. B. D. Woerner, T. S. Rappaport, J. H. Reed, editors, *Wireless Personal Communications: Research Developments*, Kluwer Press, 1995, 295 pages.
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Book Contributions

1. Youping Zhao, Bin Le, Jeffrey Reed, "Network Support: The Radio Environment Map", chapter written for *"Cognitive Radio Technology"* by Bruce Fette, published August 8, 2006 by Elsevier Inc., pp. 337-363 , ISBN: 978-0-7506-7952-7.
2. James O. Neel, Jeffrey H. Reed, Allen B. MacKenzie, "Cognitive Radio Performance Analysis," chapter written for *"Cognitive Radio Technology"* by Bruce Fette, published August 8, 2006 by Elsevier Inc., pp. 501-579 , ISBN: 978-0-7506-7952-7.
3. Brian M. Donlan, R. Michael Buehrer, Jeffrey H. Reed, "Ultra-wideband Wireless Systems," published in the Encyclopedia of RF and Microwave Engineering, Spring 2005, pp. 5411-5423, ISBN: 0-471-27053-9.
4. N. D. Tripathi, J.H. Reed, H.F. VanLandingham, chapter titled, "Application of a Neurofuzzy System to Handoffs in Cellular Communications," written for *"Neuro-Fuzzy and Fuzzy-Neural Applications in Telecommunications (Signals and Communication Technology)"* by Peter Stavroulakis, published May 14, 2004 by Springer Publishing, ISBN: 3540407596.
5. J. H. Reed, and C. J. Rieser, "Software Radio: Technical, Business and Market Implications," *World Market Series Business Briefing Wireless Technology 2001*, WMRC PLC – World Markets Research Centre, ISBN 1-903140-36-1, October 2000, pp. 146-150.
6. P. Petrus and J. H. Reed, "Co-channel Interference in Wireless Communication Systems," *Encyclopedia of Electrical and Electronics Engineering*, John Wiley & Sons, Inc., February 1999 (invited paper).
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Papers in Refereed Journals

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2. Carlos Aguayo Gonzalez, Francisco Portelinha, Jeffrey H. Reed, part 1 published in the *Military Embedded Systems Magazine*, March/April 2007 Issue. Part 2 published in the May/June 2007 Issue.
3. Nankyu Ryu, Yusuk Yun, Seung Won Choi, R. Chembil Palat, Jeffrey H. Reed, "Smart Antenna Base Station Open Architecture for SDR Networks," published in the *IEEE Wireless Communications*, June 2006, Vol. 13, Issue 3, pp. 58-69.
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11. P. Petrus, J.H. Reed, T.S. Rappaport, "Geometrical-based Statistical Macrocell Channel Model for Mobile Environments," *IEEE Transactions on Communications*, Vol. 50, No. 3, March 2002, pp. 495-502.
12. Raqibul Mostafa, Fakhru Alam, Kyung Kyoong Bae, J.H. Reed, W.H. Tranter, B.D. Woerner, "3G-Around the world and back again," *RF Design*, February 2002.
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Conference Papers

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1. Youping Zhao, Lizdabel Morales, Joseph Gaeddert, Kyung K. Bae, Jung-sun Um, Jeffrey H. Reed, "Applying Radio Environment Maps to Cognitive Wireless Regional Area Networks," presented at the *DYSPAN 2007*, Dublin, Ireland, April 17-20, 2007.
2. Kyouwoong Kim, Ihsan A. Akbar, Kyung K. Bae, Jung-sun Um, Jeffrey H. Reed, "Cyclostationary Approaches to Signal Detection and Classification in Cognitive Radio," presented at *DYSPAN 2007*, Dublin, Ireland, April 17-20, 2007.
3. R. Menon, A.B. MacKenzie, R.M. Buehrer, J.H. Reed, "A Game-Theoretic Framework for Interference Avoidance in Ad Hoc Networks," presented at *GlobeCom 2006*, San Francisco, CA, November 27-December 1, 2006.
4. James O. Neel, Jeffrey H. Reed, "Performance of Distributed Dynamic Frequency Selection Schemes for Interference Reducing Networks," presented at *MILCOM 2006*, Washington, DC, October 23-25, 2006.
5. Y. Zhao, J.H. Reed, S. Mao, K.K. Bae, "Overhead Analysis for Radio Environment Map (REM)-enabled Cognitive Radio Networks," presented at the *IEEE Conference on Sensor, Mesh, and Ad Hoc Communications and Networks – SECON 2006*, Reston, VA September 25-28, 2006.
6. S. Venkatesh, C.R. Anderson, R.M. Buehrer, J.H. Reed, "On the Use of Pilot-Assisted Matched Filtering in UWB Time-Interleaved Sampling," presented at the *International Conference on Ultra-Wideband – ICUWB 2006*, Waltham, MA, September 24-27, 2006, M4B-1, pp. 119-124.
7. James Neel, Max Robert, Jeffrey H. Reed, "A Formal Methodology for Estimating the Feasible Processor Solution Space for a Software Radio," presented at *Software Defined Radio Forum -- SDR Forum 2005*, Orange Co. CA, November 14-18, 2005, pp. A117-A122.
8. Christopher Anderson, Jeffrey H. Reed, "Performance Analysis of a Time-Interleaved Sampling for a Software Defined Ultra Wideband Receiver," presented at the *SDR Forum 2005*, Orange County, CA, Nov. 14-18, 2005, pp. A75-A80.
9. Ramesh Chembil Palat, A. Annamalai, Jeffrey H. Reed, "Cooperative Relaying for Ad-Hoc Ground Networks Using Swarm UAVS," presented at *IEEE Military Communications Conference -- MILCOM 2005*, Atlantic City, NJ, Oct. 17-20, 2005, pp. 3314-3320.
10. Namkyu Ryu, Yusuk Yun, Seungwon Choi, Jeffrey H. Reed, "Smart Antenna Implemented with Reconfigurable Devices for ADR Network," *IEICE Technical Committee on Software Radio*, Yokosuka, Japan, July 28-29, 2005, pp. 15-22 .
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12. Shiwen Mao, Xiaolin Cheng, Thomas Hou, Hanif Sherali, Jeffrey Reed, "Joint Routing and Server Selection for Multiple Description Video Streaming in Ad Hoc Networks," presented at *ICC 2005, International Conference on Communications*, Seoul, Korea, May 16-20, 2005, pp. 2993-2999.

13. Y. T. Hou, Y. Shi, J.H. Reed, K. Sohraby, "Flow Routing for Variable Bit Rate Source Nodes in Energy-Constrained Wireless Sensor Networks" presented at *ICC 2005, International Conference on Communications*, Seoul, Korea, May 16-20, 2005, pp. 3057-3062.
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26. B. Cheung, F. Alam, J.H. Reed, B.D. Woerner, "New adaptive Beamforming Algorithm for OFDM Systems," presented at the *14th International Conference on Wireless Communications, Wireless 2002*, Calgary, Alberta Canada, July 8-10, 2002, pp. 71-75. This paper received the URSI Best Student Paper Award given by the Canadian National Commission (CNC) of The International Union of Radio Science (URSI).
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