## MASTER REFERENCE LIST

- 1. Adams, David S. and Tamar Granot. "A Description and Analysis of a Radio Station Operation During a Forest Fire." Columbus, OH: Disaster Research Center, 1974.
- 2. "Initial Lessons Learned in Testing and Deploying the ACU-1000" (Technical Memorandum). AGILE (Advanced Generation of Interoperability for Law Enforcement) NLETC Project Team. 6 December 2002. http://www.agileprogram.org/documents/acu1000/acu1000memo.html.
- 3. "Allocation of the Radio Spectrum in the United States." 10 January 2003. <a href="http://www.jneuhaus.com/fccindex/spectrum.html">http://www.jneuhaus.com/fccindex/spectrum.html</a>.
- 4. "APCO Project 25 Standards for Public Safety Digital Radio." 6 December 2002 <a href="http://www.apcointl.org/frequency/project25/information.html">http://www.apcointl.org/frequency/project25/information.html</a>.
- 5. Bishop, Don. "700 MHz Monopoly?" *Mobile Radio Technology* November 2002: 14-22. <a href="http://iwce-mrt.com/ar/radio\_mhz\_monopoly">http://iwce-mrt.com/ar/radio\_mhz\_monopoly</a>.
- 6. Bishop, Don. "Improve FDNY Radio Communications." *Mobile Radio Technology* 1 October 2002. 6 December 2002. <a href="http://iwce-mrt.com/ar/radio\_improve\_fdny\_radio/">http://iwce-mrt.com/ar/radio\_improve\_fdny\_radio/</a>.
- 7. Blankenbeckler, David. "An Introduction to Bluetooth." *Wireless Developer Network* 1 April 2003. http://www.wirelessdevnet.com/channels/bluetooth/features/bluetooth.html.
- 8. Booz-Allen & Hamilton. *Report on Funding Strategy for Public Safety Radio Communications* October 1998.
- 9. Branson, Ken. "Wireless Revolution." Fire Chief December 2002: 30-34.
- 10. Brouwer, E. "Back to Basics: The Key to Survival." *Fire Fighting in Canada*, Vol. 46, No. 6, Sept. 2002: 16-18. <a href="http://www.volunteerfirefighter.ca/articles/basics/BACK%20TO%20BASICS.doc">http://www.volunteerfirefighter.ca/articles/basics/BACK%20TO%20BASICS.doc</a>
- 11. Bureau of Yards and Docks. "Incorporation of Fallout Protection and Emergency Equipment Into Radio Stations". Washington, DC: Office of Civil Defense, 1966.
- 12. Bushey, Keith D., "Interoperability In Los Angeles County: Historic UHF Sharing Interoperability In Los Angeles County: Historic UHF Sharing With Frequency Congestion." *APCO Bulletin*, Vol 55; 3 March 1989: 12-15.
- 13. Charny, Ben. "Ultrawideband: Rescuers Left in the Lurch?" *ZDNet News* 15 February 2002. 10 January 2003. <a href="http://zdnet.com/2100-1105-839310.html">http://zdnet.com/2100-1105-839310.html</a>.

- 14. U.S. Army "Command, Control, Communications, and Computers." *Army S&T Master Plan 2002*. Washington, DC: U.S. Department of Defense, 2002.
- 15. Dekker, D., D. Hainsworth and W. McKeague. "Requirements for Underground Communications," *Proceedings 1996 Mining Technology Conference*, Fremantle, Western Australia, 102-109. September 1996.
- 16. DiDonato, John. "Trends In Public Safety Radio: Where Will It Go Next?" *9-1-1 Magazine*. July-August 1997: 46-48. <a href="http://www.9-1-1magazine.com/magazine/1997/0797/features/didonato.html">http://www.9-1-1magazine.com/magazine/1997/0797/features/didonato.html</a>.
- 17. Einicke, Gary A and David L. Dekker. "Emergency Communications and Personnel Location in Underground Mines." CSIRO Explorations and Mining.
- 18. Einicke, G; D. Dekker and M. Gladwin. "The Survivability of Underground Communication Systems Following Mine Emergency Incidents", *Proceedings Old Mining Industry Health and Safety Conference*, Yeppoon, Australia, 1997: 217-222.
- 19. Einicke, G; D. Dekker and M. Gladwin. "A Robust WLAN for Survivable Emergency Communications", *Proc. 1997 IEEE Region 10 Conference (TENCON 97)*, vol. 1, 101-104, Brisbane, Australia: December 1997.
- 20. Einicke, G; D. Dekker and D. Hainsworth. "A Review of Underground Communications Systems", *Proceedings Technology Exchange Workshop in Coal Mine Productivity*, Newcastle, Australia, December 1997.
- 21. Einicke, G; D. Dekker, D. Hainsworth and M. Gladwin. "Facilitating Emergency Communications", *Proceedings Underground Mine Communications*, Sydney, Australia, December 1997: 13.1-13.8.
- 22. Einicke, G; D. Dekker and M. Gladwin. "Location And Monitoring for Personal Safety (LAMPS)", *Proc. Old Mining Industry Health and Safety Conference*, Yeppoon, Australia, 1998: 191-195.
- 23. Einicke, G; Dekker, D; Gladwin, M and Buckwell, A. "Underground Location Monitoring." *The Australian Coal Review* April 1999: 52-54.
- 24. Einicke, G; D. Dekker, and A. Buckwell. "Datagram Protocols for Arbitrary Topology WLANS", *Proc. 5th International Symposium on Sig proc and Applications*, Brisbane Australia, vol. 2, pp. 697 700 August 1999.
- 25. U.S. Federal Communications Commission. "The Development of Technical and Spectrum Requirements for Meeting Federal, State and Local Public Safety Agency Communication Requirements Through the Year 2010, Establishment of Rules and Requirements for Priority Access Service." Final Rule. *Federal Register* 2 November 1998: 63 (211): 58685-58692.

- 26. Federal Emergency Management Agency. *Broadcast Station Protection Program: Emergency Equipment, Fallout Protection.* May 1984.
- 27. Felt, H. and A. Seybold. "A Primer on Radio Communications: Part I Or, Where do We Go From Here?" *Journal of Emergency Medical Services* (JEMS) June 1980: 22-26.
- 28. Felt, H. "A Primer on Radio Communications Part III: System Configurations." *Journal of Emergency Medical Services* (JEMS) 1980 August: 42-3, 46-8.
- 29. Felt, H. "A Primer on Radio Communications Part IV: Paramedic Field Radios." *Journal of Emergency Medical Services* (JEMS) 1980 October: 31-32, 34-35.
- 30. Fenichel, Robert. "APCO Project 25 Here, Now and Into the Future." *APCO Bulletin* (Special Feature) March 1999. http://www.apcointl.org/bulletin/bull/99/march/feature4.html 16 December 2002.
- 31. Fuller, Dean. "Federal Way (Washington) Fire Ready For 21st Century With 800 MHz." *APCO Bulletin* May 1998: 26.
- 32. Hagstrom, Jennifer. "Spectrum Interference." APCO Bulletin May 1999: 10-13.
- 33. Hainsworth, David W. and Gurgenci, Hal. "Integrated Study: Communications and Equipment Monitoring Technologies for Underground Coal Mining." Australian Coal Association Research Program. September 1994.
- 34. Hanneken, Stephen. "The Most Important Piece of EMS Equipment? The Radio!" *Journal of Emergency Medical Services* (JEMS) May 1997: 50-54.
- 35. Harris, C Edward. "Simplex Operations, Procedures and Equipment." *Emergency Preparedness. Updated and Revised* 10 November 1998. 6 December 2002. <a href="http://cob2.jmu.edu/fordham/MARA/ARES1.htm">http://cob2.jmu.edu/fordham/MARA/ARES1.htm</a>.
- 36. Henke, S and L. Orcutt. "Portable Radio Communications for Emergency Medical Services." *Emergency Medical Services* July-August 1983: 34-35.
- 37. Hisle, Matt. "Universal Broadband Communications Creates New Options for Healthcare Networks." *Journal of Healthcare Information Management* Summer 2000: 71-84.
- 38. Istepanian, R.H., et al. "The Comparative Performance of Mobile Telemedical Systems Based on the IS-54 and GSM Cellular Telephone Standards." *Journal of Telemedicine and Telecare* 1999: 97-104.
- 39. Johnson, M.S. and C.C. Van Cott. "New Radio Service Targets EMS Communications." *Emergency Medical Services* July 1993: 70-4.

- 40. Johnson, M.S. and Tredwell, R. "Rural EMS Communications." *Emergency Medical Services* August 1991:14-16, 18, 20-22.
- 41. Jones, B. "New Technology Provides Effective Communications for Underground Rescue Operations." *Coal International* September 1998: 171-174.
- 42. Jones, Melvin, R. "Customized Crossband Vehicular Repeater System Keeps Costs Low, Achieves Simplicity, Efficiency of Operation." *APCO Bulletin* April 1991: 14.
- 43. Kandel, Joel. "Keeping up with Disaster Communication Technology." *QST Magazine* October 1998.
- 44. Katz, Randy H. "Adaptation and Mobility in Wireless Information Systems." *IEEE Personal Communications Magazine* First Quarter 1994.
- 45. Klein, Lawrence. Final Report: Mobile Surveillance and Wireless Communication Systems Field Operational Test; Volume 1: Executive Summary. California Path Program, Institute of Transportation, University of California. January 1999.
- 46. Koehler, G.A. "Cellular Communication." *Emergency Medical Services* September 1990: 13-14.
- 47. Lutz, William. "A Trunking Communications Primer." Police Chief July 1998.
- 48. Mackay, Michelle. "Bandwidths, Frequencies And Megahertz." *Journal of Emergency Medical Services* (JEMS) May 1997: 42-43.
- 49. Maghsudi M, et al. "Medical Communication From Emergency Scenes Using a Notepad Computer." *Journal of Telemedicine and Telecare* 1999: 249-252.
- 50. Mathieson, Rick. "Band of Brothers." *Mpulse Magazine* October 2002. 10 January 2003. <a href="http://cooltown.hp.com/mpulse/1002-firefighters.asp">http://cooltown.hp.com/mpulse/1002-firefighters.asp</a>.
- 51. McKinsey & Company. *Increasing FDNY's Preparedness* 19 August 2002.
- 52. Meister, George. "Between 800MHZ And A Hard Place." *Fire Chief* June 1997: 50-52.
- 53. Mondragon, R. "Operations at Scenes of Violence: Spotlight on Organization Safety." *Firehouse* April 2001: 82,84-85.
- 54. "Multi-Agency Radio Communications System. An Overview and Status." Ohio's State-of-the-Art Wireless Voice and Data Communications Project.
- 55. Mustard, T.S. and Blakemore, J.A. "Site Communications." *Occupational Health and Safety* December 2000: 38-41.

- 56. Nickels, Nelda J., "When They Start Designing Public Safety Radios...You'd Think They'd Ask A Cop!" *APCO Bulletin* March 1989: 21-25.
- 57. Nixon, C., et al. "Female Voice Communications in High Level Aircraft Cockpit Noises—Part II: Vocoder and Automatic Speech Recognition Systems." *Aviation, Space, and Environmental Medicine* November 1998: 1087-1094.
- 58. Phillips, K. "U-Turn on Service Radio Strategy." Fire, July 2002: 25.
- 59. Project 25. New Technology Standards Project; Statement of Requirements. 10 November 1999.
- 60. Public Safety Wireless Network Program. Assorted Documents/Websites.
- 61. Public Safety Wireless Network Program. "How-To" Guide for Systems Planning, Design, and Procurement July 2000.
- 62. Public Safety Wireless Network Program. Fee-for-Service Report October 2001.
- 63. Public Safety Wireless Network Program. *The Report Card on Funding Mechanisms for Public Safety Radio Communications* August 2001.
- 64. Public Safety Wireless Network Program. *The Role of the States in Public Safety Wireless Interoperability*.
- 65. Public Safety Wireless Network Program. Final Report of the Public Safety Wireless Advisory Committee to the Federal Communications Commission and the National Telecommunications and Information Administration 11 September 1996. 6 December 2002. <a href="http://pswn.gov/pswac.htm">http://pswn.gov/pswac.htm</a>.
- 66. Public Safety Wireless Network. Avoiding Interference Between Public Safety Wireless Communications Systems and Commercial Communications Systems at 800 MHz A Best Practices Guide December 2000.
- 67. "Radio Daze." *Industrial Fire World* July/August 2002. 10 January 2003. http://www.fireworld.com/magazine/julyaugust02.htm.
- 68. Randall, Larry. "An Illusion Of Secrecy, Part One." *APCO Bulletin* November 1994: 40-45.
- 69. Reiff, Tom. "Transportable VHF Repeater Serves Antarctic Communications; Repeater Deployed by Helicopter for Summer Communications Requirements and Retrieved for Winter Storage, Avoid Temperature Stresses That Destroyed Components and Batteries in Previous Permanent." *Mobile Radio Technology* 1 March 1996. 6 December 2002. <a href="http://iwce-mrt.com/ar/radio\_transportable\_vhf\_repeater/">http://iwce-mrt.com/ar/radio\_transportable\_vhf\_repeater/</a>.

- 70. Riddet, A. "Replacement Communications Systems: Does This Need to be a Problem?" *Fire Engineers Journal* May 1998: 20-24.
- 71. Sanderford, H. B., Jr. "Spread Spectrum Radio Alarms Give Hardwired Performance." *Fire Journal* January/February 1990: 57-59.
- 72. Schwaninger, Robert H. "The Legal Truth About 800 MHz Interference." *Mobile Radio Technology* (Online Special) 23 September 2002.
- 73. Sinclair Technologies. Suggested VHF/UHF Trunking Configurations Reference Guide.
- 74. Slonimisky, Zvi. "Over the River and Through the Woods." *Radio Resource International* Quarter 1 2003: 24-29.
- 75. Smith, Jonathan S. "Working Channels: A Practical Guide to Improved Radio Communications." *9-1-1 MAGAZINE* July-August 1997: 58-59.
- 76. Smith, Jonathan. "Radio Communications: Whose Responsibility Is It?" *American Fire Journal* December 1996: 30-31.
- 77. Spahn, Edwin J. "Fire Service Radio Communications." Fire Engineering 1989.
- 78. Stone, W. C. *NIST Construction Automation Program Report No. 1: Non-Line-of-Sight (NLS) Construction Metrology*. National Institute of Standards and Technology, Gaithersburg, MD. February 1996.
- 79. Stone, W. C. *NIST Construction Automation Program Report No. 3: Electromagnetic Signal Attenuation in Construction Materials*. Gaithersburg, MD: National Institute of Standards and Technology, October 1997.
- 80. Stone, W. C. "Surveying Through Solid Walls. Automation and Robotics in Construction." *14th International Symposium Proceedings* June 8-11, 1997, Pittsburgh, PA. Gaithersburg, MD: National Institute of Standards and Technology, 22-40.
- 81. Titan Systems Corporation. Arlington County After-Action Report on the Response to the September 11 Terrorist Attack on the Pentagon July 2002.
- 82. U.S. National Telecommunications and Information Administration. *Alternative Frequencies for Use by Public Safety Systems: Response to Title XVII, Section 1705 of the National Defense Authorization Act for FY2001*. Washington, DC: U.S. Department of Commerce, 2001.
- 83. United States Fire Administration. *Improving Firefighter Communications*. Technical Report Series Report 099.

- 84. U.S. Fire Administration. *Fire Department Communications Manual: A Basic Guide to System Concepts and Equipment*. FA-160. Washington, DC: Federal Emergency Management Agency.
- 85. U.S. Fire Administration. *Personnel Accountability System Technology Assessment*. FA-198. Washington, DC Federal Emergency Management Agency.
- 86. Varone, J. Curtis, "Providence Fire Department Staffing Study and Providence Fire Department Staffing Study Revisited," *Executive Fire Officer Program. Applied Research Project*. National Fire Academy, Emmitsburg, MD. November 1994 and August 1995.
- 87. Varone, J Curtis, "Fireground Radio Communications and Firefighter Safety. Executive Fire Officer Program" *Applied Research Project*. Emmitsburg, MD: National Fire Academy, March 1996.
- 88. Victory, Nancy (Remarks). "Current and Emerging Solutions to Public Safety Communications." *Interoperability Summit: Creating New Opportunities with Technology*. 11 June 2002. http://www.ntia.doc.gov/ntiahome/speeches/2002/pubsafety6112002.htm
- 89. Wade, Martin D. "Cellular and Trunking in Disaster Areas." *APCO Bulletin* May 1998: 36.
- 90. Werner, Charles. "USFA Administrator R. David Paulison on Fire Service Technology." *Firehouse.Com.* 20 September 2002. 6 December 2002. <a href="http://www.firehouse.com/tech/news/2002/0920\_paulison.html">http://www.firehouse.com/tech/news/2002/0920\_paulison.html</a>.
- 91. Wiesner, Tom. Wireless Public SAFEty Interoperable COMmunications Program (PROJECT SAFECOM). Draft Project Overview. Department of the Treasury. April 2002 and Project SAFECOM. OMB e-Government Initiative for Wireless Public SAFEty Interoperable COMmunications; Federal Wireless Users Group (FWUG). 15 April 2002.
- 92. Wigder, H. N., "Microcomputer-Assisted Transmission of Disaster Data by Cellular Telephone." *The Journal of Emergency Medicine* 1989: 651-655.
- 93. Yoho, D.R., Jr. "Wireless Communication Technology Applied to Disaster Response." *Aviation, Space, and Environmental Medicine* September 1994: 839-45.
- 94. Warner, Edward. "FCC Doubles Public-Safety Spectrum." *Wireless Week* 10 August 1998. <a href="http://www.wirelessweek.com/index.asp?layout=article&articleid=CA4169">http://www.wirelessweek.com/index.asp?layout=article&articleid=CA4169</a>. 24 April 2003.
- 95. "Regulators Expand Airwaves for Emergency Communication." *USA Today* 24 April 2003. 24 April 2003. <a href="http://www.usatoday.com/tech/news/techpolicy/2003-04-24-airwaves">http://www.usatoday.com/tech/news/techpolicy/2003-04-24-airwaves</a> x.htm.

- 96. "700MHz Program Overview." Arizona Fire Chiefs Association. http://www.azchiefs.org/700mhz.html. 24 April 2003.
- 97. Jabbari, Bijan. "SOPRANO Self-Organizing Packet Radio Ad-Hoc Networks with Overlay." *Symposium on Multi-Hop/Ad-hoc Wireless Networks*, Rennes, France. June 2002.
- 98. "Public Safety Agencies Question Motorola's Proposal." *Firehouse.com*, 21 May 2003. http://cms.firehouse.com/content/article/article.jsp?id=11030&sectionId=13.
- 99. Bent, Rodney B., PhD. "Accurate Radio Location Without GPS." *Public Safety Communications*. September 2002: 48-49.
- 100. Singer, Edward N. "Radio Communications in High-Rise Buildings...The Cross Band Repeater: An Improvement in High-Rise Communications." *WNYF* 1981: 10-12.
- 101. Dunn, Vincent. "Building Construction and Fire Spread." WNYF 1999: 15-17.
- 102. Ross, James M. "The Interior Radio Repeater: Can it be an Improvement in High-Rise Communications?" Executive Fire Officer Program, Applied Research Project. Emmitsburg, MD: National Fire Academy, December 1989.
- 103. Ross, James M. "Leadership Roles and Developing the Interior Radio Repeater as a High-Rise Communication System." Executive Fire Officer Program, Applied Research Project. Emmitsburg, MD: National Fire Academy, November 1991.
- 104. Gogoi, A.K. and R. Raghuram. "Analysis of VLF Loop Antennas on the Earth Surface for Underground Mine Communication." *Proceedings of the 1996 AP-S International Symposium & URSI Radio Science Meeting, Part 2.* IEEE Antennas and Propagation Society, Part 2: 962-965.1996
- 105. Austin, B.A. "Medium Frequency Body Loop Antenna for use Underground." IEE Colloquium on 'Electrically Small Antennas.' *Digest 136*. 1990.
- 106. Immoreev, Igor J. and Sudakov, Alexander A. "Ultra-Wideband (UWB) Interference Resistant System for Secure Radio Communication with High Data Rate." First International Conference on Circuits and Systems for Communication. June 2002.
- 107. Harman, Keith R. "Intrepid Microtrack Cable Sensor." *Proceedings IEEE 36<sup>th</sup> Annual 2002 International Carnahan Conference on Security Technology*: 191-197. October 2002.
- 108. Harman, Keith R. "Intrepid A New Perimeter Sensor Technology." *Proceedings IEEE 28<sup>th</sup> Annual International Carnahan Conference on Security Technology*: 137-143. October 1994.

- 109. Harman, Keith R. "Intrepid Update 1998." *Proceedings IEEE 32<sup>nd</sup> Annual 1998 International Carnahan Conference on Security Technology*: 147-153. October 1998.
- 110. Backx, A. J. and Harman, Keith R. "Intrepid Micropoint System European Fence Experience." *Proceedings IEEE 36<sup>th</sup> Annual 2002 International Carnahan Conference on Security Technology*: 80-86. October 2002.
- 111. Christ, Roger and Lavigne, Robert. "Radio Frequency-Based Personnel Location Systems." *Proceedings IEEE 34th Annual 2000 International Carnahan Conference on Security Technology*: 141-150. October 2000.
- 112. Vermeeren, G., et al. "Simple Low-Cost Planar Antenna for Indoor Communication Under the Bluetooth Protocol." *Electronic Letters* September 13, 2001: 1153-1154.
- 113. Pranther, William, D., et al. "Ultra-Wideband Source and Antenna Research." *IEEE Transactions on Plasma Science* October 2000:1624-1630.
- 114. Goldstein, H. "Radio Contact in High-Rises Can Quit of Firefighters." *IEEE Spectrum* April 2002: 24-27.
- 115. Stolarczyk, L.G. "Emergency and Operational Low and Medium Frequency Band Radio Communications System for Underground Mines." *IEEE Transactions on Industry Applications* July-August 1991: 780-790.
- 116. Stolarczyk, Larry G. and Chufo, Robert. "System Design and Performance of an MF Radio Communication System for Underground Mining." *Conference Record of the Industry Applications Society IEEE-IAS 1981 Annual Meeting*: 105-112. 1981.
- 117. "Good Communications Vital to Fireground Survival." *Fire Engineering* July 1998. 27 June 2003.

 $\frac{http://pennwell.emailthis.clickability.com/et/emailThis?clickMap=viewThis\&etMailToID=1698706254.$ 

- 118. "The Effect of New FCC Regulations on Fire Communications." *Fire Engineering* August 1997. 27 June 2003.
- http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=59842&KEYWORD=radio%20communications.
- 119. "Improving Fireground Radio Communications." *Fire Engineering* February 1997. 27 June 2003.
- http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=59521&KEYWORD=radio%20communications.
- 120. Winters, Steve. "The Safety Officer's Perspective." *Fire Engineering* July 2000. 27 June 2003.
- http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=80306&KEYWORD=radio%20communications.

- 121. "Digital vs. Analog Radio Systems." *Fire Engineering* November 2001. 27 June 2003.
- http://pennwell.emailthis.clickability.com/et/emailThis?clickMap=viewThis&etMailToID=813631017
- 122. Dittmar, Mary Jane. "Fireground Communications: Strategies for Meeting Today's Challenges." *Fire Engineering* May 2002. 27 June 2003. <a href="http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=146053&KEYWORD=radio%20communications">http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=146053&KEYWORD=radio%20communications</a>.
- 123. Varone, Curt. "Firefighter Safety and Radio Communication." *Fire Engineering* March 2003 27 June 2003.
- http://fe.pennnet.com/Articles/Article\_Display.cfm?Section=ARCHI&Subsection=Display&ARTICLE\_ID=176451&KEYWORD=radio%20communications.
- 124. Furey, Barry. "Communications Size-Up: A Progress Report." *Firehouse* August 2002: 132-133.
- 125. Elsner, Harvey. "It's Always a Numbers Game." Firehouse January 2003: 6.
- 126. Branson, Ben. "Wireless Revolution." Firehouse December 2002: 30.
- 127. Arthur D. Little, Inc. *Transmit Antennas for Portable VLF to MF Wireless Mine Communications*. U.S. Bureau of Mines Open File Report 92-78. May 1977
- 128. Rockwell International Commercial Telecommunications Group. *Propagation of EM Signals in Underground Mines*. U.S. Bureau of Mines Open File Report 136-78 September 1977.
- 129. Cory, Terry S. *Wireless Communications for Trackless Haulage Vehicles*. U.S. Bureau of Mines Open File Report 40-83. July 1979.
- 130. A.R.F. Products, Inc. A Medium Frequency Wireless Communication System for Underground Mines. U.S. Bureau of Mines PB86-134103. September 1984.
- 131. Zerega, Blaise. "Ultrawideband of Brothers." *Wired Magazine*. April 2003. http://www.wired.com/wired/archive/11.04/start.html?pg=4. 1 July 2003.
- 132. Kristin Gordon, "Patrol Prepares For Switch To Digital Radios." *Lancaster Eagle-Gazette*, 10 October 2002. <a href="http://www.lancastereaglegazette.com/news/stories/20021010/localnews/259604.html">http://www.lancastereaglegazette.com/news/stories/20021010/localnews/259604.html</a>
- 133. Li, Jintang et al. "Capacity of Ad Hoc Wireless Networks." *Proceedings of the* 7<sup>th</sup> ACM International Conference on Mobile Computing and Networking (MobiCom '01). Rome, Italy. July 2001."

http://www.pdos.lcs.mit.edu/papers/grid:mobicom01/paper.pdf.

- 134. De Couto, Douglas S. J., et al. "Performance of Multihop Wireless Networks: Shortest Path is Not Enough." *Proceedings of the First Workshop on Hot Topics in Networking (HotNets-I)*, Princeton, New Jersey. October 2002. http://www.pdos.lcs.mit.edu/papers/grid:hotnets02/paper.pdf.
- 135. Morris, Robert, et al. "CarNet: A Scalable Ad Hoc Wireless Network System." *Ninth ACM SIGOPS European Workshop*, Kolding, Denmark. September 2000. http://www.pdos.lcs.mit.edu/papers/grid:sigops-euro9/paper.pdf.
- 136. Li, Jinyang, et al. "A Scalable Location Service for Geographic Ad Hoc Routing." *Sixth International Conference on Mobile Computing and Networking (MobiComm '00)*: 120-130, Boston, Massachusetts. August 2000. http://www.pdos.lcs.mit.edu/papers/grid:mobicom00/paper.pdf.
- 137. De Couto, Douglas S. J., at al. "Effects of Loss Rate on Ad Hoc Wireless Routing." *MIT Laboratory of Computer Science Technical Report MIT-LCS-TR-836* March 2002. <a href="http://www.pdos.lcs.mit.edu/papers/grid:losstr02/paper.pdf">http://www.pdos.lcs.mit.edu/papers/grid:losstr02/paper.pdf</a>.
- 138. De Couto, Douglas, S. J. and Morris, Robert. "Location Proxies and Intermediate Node Forwarding for Practical Geographic Forwarding." MIT Laboratory of Computer Science Technical Report MIT-LCS-TR-824. June 2001. <a href="http://www.pdos.lcs.mit.edu/papers/grid:proxytr01/paper.pdf">http://www.pdos.lcs.mit.edu/papers/grid:proxytr01/paper.pdf</a>.
- 139. Chen, Benjie, et al. "Span: An Energy-Efficient Coordination Algorithm for Topography Maintenance in Ad Hoc Wireless Networks." *Proceedings of the 7<sup>th</sup> ACM International Conference on Mobile Computing and Networking (MobiCom '01)*, Rome, Italy. July 2001.
- 140. Kelland, Ben. "Ultra-wideband Wireless Technology." Third Annual CM316 Conference on Multimedia Systems. 12 October 2002. Southampton University, UK. <a href="http://mms.ecs.soton.ac.uk/papers/32.pdf">http://mms.ecs.soton.ac.uk/papers/32.pdf</a>.
- 141. Mathieson, Rick. "Ultra-Cool, Ultra-Controversial, Ultra-Wideband Technology." *MPulse* October 2002. 8 July 2003. <a href="http://www.cooltown.com/mpulse/1002-ultrawideband.asp">http://www.cooltown.com/mpulse/1002-ultrawideband.asp</a>
- 142. Foerster, Jeff. "Ultra-Wideband Technology for Short- or Medium-Range Wireless Communications." The Laboratory for Communication Engineering, Cambridge University Engineering Department. 10 July 2003. <a href="http://www-lce.eng.cam.ac.uk/~acnt2/papers/uwb-comms/uwb-wirelesscomm-foerester-intel.pdf">http://www-lce.eng.cam.ac.uk/~acnt2/papers/uwb-comms/uwb-wirelesscomm-foerester-intel.pdf</a>.
- 143. Leeper, David G. "A Long-Term View of Short-Range Wireless." *Computer* June 2001: 39-44.
- 144. Siwiak, Kazimierz. "Ultra-Wideband Radio: Introducing a New Technology." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. http://www.timedomain.com/Files/PDF/news/greecepres.pdf.

- 145. Siwiak, Kazimierz, Withington, Paul, and Phelan, Susan. "Ultra-Wide Band Radio: The Emergence of an Important New technology." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001 <a href="http://www.timedomain.com/Files/PDF/news/greecepres.pdf">http://www.timedomain.com/Files/PDF/news/greecepres.pdf</a>.
- 146. Cassioli, Dajana, Win, Moe Z., and Molisch, Andreas F. "A Statistical Model for UWB Indoor Channel." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. http://www.timedomain.com/Files/PDF/news/greecepres.pdf.
- 147. Siwiak, Kazimierz and Petroff, Alan. "A Path Link Model for Ultra Wide Band Transmissions." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. http://www.timedomain.com/Files/PDF/news/greecepres.pdf.
- 148. Foerster, Jeffery R. "The Effects of Multipath Interference on the Performance of UWB Systems in an Indoor Wireless Channel." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. <a href="http://www.timedomain.com/Files/PDF/news/greecepres.pdf">http://www.timedomain.com/Files/PDF/news/greecepres.pdf</a>.
- 149. Siwiak, Kazimierz. "Impact of Ultra Wide Band Transmissions on a Generic Receiver." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. http://www.timedomain.com/Files/PDF/news/greecepres.pdf.
- 150. Huang, Xiaojing and Li, Yunxin. "Generating Near-White Ultra-Wideband Signals with Period Extended PN Sequences." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. 6-9 May 2001. http://www.timedomain.com/Files/PDF/news/greecepres.pdf.
- 151. Schantz, Hans Gregory. "Measurement of UWB Antenna Efficiency." *IEE Semiannual Vehicular Technology Conference VTC2001 Spring*. Rhodes, Greece. May 6-9, 2001 <a href="http://www.timedomain.com/Files/PDF/news/greecepres.pdf">http://www.timedomain.com/Files/PDF/news/greecepres.pdf</a>.
- 152. Siwiak, Kai, Ph.D., P.E., and Franklin, Mike. "Advances in Ultra-Wide Band Technology." *Radio Solutions 2001: Low Power Radio in Europe* 6-7 November 2001. <a href="http://www.timedomain.com/Files/downloads/techpapers/LPRA\_nov2001.pdf">http://www.timedomain.com/Files/downloads/techpapers/LPRA\_nov2001.pdf</a>.
- 153. "FieldSoft and Motorola to Deliver Effective Firefighting Monitoring." FieldSoft, Inc., News Release 8 February 2003. http://www.fieldsoft.com/newsrelease/2003/motorola.html.
- 154. "Motorola Introduces Specialized Mobile Communications Solutions for Firefighters." Motorola, Inc., Press Release 23 August 2002 http://www.motorola.com/LMPS/pressreleases/page2207/htm.
- 155. Naraine, Ryan. "Firefighters Go Wireless, via Motorola." *Wireless*, 26 August 2002. http://www.internetnews.com/wireless/article.php/1452221.

- 156. Royer, Elizabeth M. and Perkins, Charles E. "An Implementation Study of the AODV Routing Protocol." *Proceedings of the IEEE Wireless Communications and Networking Conference*, Chicago, IL, September 2000.
- 157. Perkins, Charles E., et al. "Performance Comparison of Two On-Demand Routing Protocols for Ad Hoc Networks." *IEEE Personal Communications* February 2001: 16-28.
- 158. "AODV." Description and reference information. http://moment.cs.ucsb.edu/AODV/aodv.html. 7 June 2003.
- 159. Leeper, David G. "Wireless Data Blaster." *ScientificAmerican.com* 4 May 2002. 9 June 2003. <a href="http://www.sciam.com/print\_version.cfm?article\_ID=0002D51D-0A78-1CD4-B4a8809EC588EEDF">http://www.sciam.com/print\_version.cfm?article\_ID=0002D51D-0A78-1CD4-B4a8809EC588EEDF</a>.
- 160. Dwyer, Jim. "Radio Problem Could Last Years, Fire Dept. Says." *The New York Times* 18 September 2002.
- http://query.nytimes.com/gst/abstract.html?res=F50915F73E540C7B8DDDA00894D A404482. 21 February 2003.
- 161. Media Relations GPS Joint Programme Office. "CSEL Public Affairs." *Space and Missile System Air Force Space Command News Service* 13 February 2002.
- 162. "Raytheon First Responder." Raytheon, Inc. 21 August 2002. <a href="http://www.thefirstresponder.com/">http://www.thefirstresponder.com/</a>
- 163. "Memorandum Opinion and Order and Further Notice of Proposed Rule Making", ET Docket No. 98-153, Federal Communications Commission, FCC 03-33, February 13, 2003. http://www.sss-mag.com/pdf/FCC-03-33A2.pdf.
- 164. Diehl, Christopher P., et al. "Wireless RF Distribution in Buildings Using Heating and Ventilation Ducts." *Proceedings of Virginia Tech's 8th Symposium on Wireless Personal* Communications 1998: 61-70.
- 165. Chardin, Ivan. "Spatial Aspects of Mobile Ad Hoc Collaboration." Proposal for degree of Master of Science Fall 2002. Massachusetts Institute of Technology. <a href="http://web.media.mit.edu/~chardin/projects/spatial/spatial\_proposal.pdf">http://web.media.mit.edu/~chardin/projects/spatial/spatial\_proposal.pdf</a>.
- 166. Information Systems Laboratory. "Wireless Firefighter Lifeline." *Public Safety Wireless Network Program.* <a href="http://www.pswn.gov/admin/librarydocs9/wfl.pdf">http://www.pswn.gov/admin/librarydocs9/wfl.pdf</a>.
- 167. Project MESA. "Mobile Broadband for Emergency and Safety Applications (MESA)." http://www.projectmesa.org.
- 168. Alagar, S. and Venkatesan, S. "Reliable Broadcast immobile Wireless Networks." *Military Communications Conference*, 1995 (MILCOM '95) Volume I: 5-8 November 1995.

- 169. Cleveland, J.R. "Performance and Design Considerations for Mobile Mesh Networks." *Military Communications Conference*, 1995 (MILCOM '95) Volume I: 245-249. November 1995.
- 170. Forrer, Johan. "Novel Robust, Narrow-Band PSK Modes for HF Digital Communications." *Recent Advances in HF Digital Communications* 1998-2003. http://www.oregon-hw-sw.com/hfpsk.htm.
- 171. Shulman, Rogers, Gandal, Pordy & Ecker, PA. White Paper. http://www.srgpe.com/WI-FI-white-paper.pdf.
- 172. Peyla, Paul J. "The Structure and Generation of Robust Waveforms for FM In-Band On-Channel Digital Broadcasting." *ibiquity Digital* http://www.ibiquity.com/technology/papers.htm. 10 July 2003.
- 173. Saindon, Jean-Paul, et al. "Emergency Warning of Miners with Through-the-Rock Paging Systems."
- 174. Durkin, J., "Electromagnetic Detection of trapped Miners." *IEEE Communications Magazine* February 1984: 37-46.
- 175. Lagace, R.L. and Emslie, A.G. "Antenna Technology for Medium Frequency Portable radio Communication in Coal Mines." *USBM Contract H0333346045* U.S. Bureau of Mines, Pittsburgh Mining and safety Research Center.
- 176. Draeger Ltd. –Products, "A New Era in Firefighter Safety." *Fire International* March 2002: 25, United Kingdom.
- 177. Potts, Adriana. "Any time, any place, anywhere." *World Mining Equipment* January 2000: 36.
- 178. Dunn, Vincent. "New York Firefighting—Making It Safer for the Future: What Equipment Could Have Reduced the Terrible Death Toll Suffered in New York on September 11?" *Fire International* June 2002: 28.
- 179. Carter, Russell A. "On the Air: Underground Mine Comms Go Wireless: Two-Way Radio Systems in Mine Communication Systems." *Engineering & Mining Journal* May 1992: 64.
- 180. Carter, Russell A. "Making the Connection." *Engineering & Mining Journal* March 2001: 28.
- 181. Sorooshyari, Siamak. *Introduction to Mobile Radio Propagation and Characterization of Frequency Bands*. http://www.winlab.rutgers.edu/~narayan/Course/Wless/Lectures02/lect1.pdf.

- 182. Sorooshyari, Siamak. Large-Scale Mobile Radio Propagation and Path Loss Models for Macrocells.
- http://www.winlab.rutgers.edu/~narayan/Course/Wless/Lectures02/lect1.pdf.
- 183. Laughlin, Jason and Nark, Jason. "Emergency Communications Flawed for Years". *With the Command.com* 7 July 2003. http://www.withthecommand.com/2003-July/NJ-comm.html.
- 184. Innotech Control Systems. "Innovative Firefighting Communications System." *Dialinfolink.com.* 12 July 2003.

http://www.dialinfolink.com.au/articles/62/0c018062.asp.

- 185. Motorola. *Motorola Introduces Specialized Mobile Communications Solution for Firefighters*. http://motorola.com/LMPS/pressreleases/page2207.htm.
- 186. Lagace, Robert L. et al. *Detection of Trapped Miner Electromagnetic Signals Above Coal Mines*. Arthur D. Little, Inc. Washington, DC: U.S. Bureau of Mines, July 1980.
- 187. Cory, Terry S. and Mahany, *Richard J. Propagation of EM Signals in Underground Metal/Non-Metal Mines*. Washington, DC: U.S. Bureau of Mines, 20 August 1981.
- 188. Orr, John A. and Cyganski, *David Firefighter and other Emergency Personnel Tracking and Location Technology for Incident Response*. Worcester Polytechnic Institute, Electrical and Computer Engineering Department. 11 July 2003. <a href="https://www.wpi.edu/News/Tranformations/2003Spring/plt.html?print">www.wpi.edu/News/Tranformations/2003Spring/plt.html?print</a>.
- 189. "NIST Studying Wireless Communications System for First Responders." National Institute of Standards and Technology 28 May 2003. http://firechief.com/newsarticle.asp.
- 190. "FCC: New broadband spectrum for first responders." Fire Chief 1 April 2002.
- 191. "Document Developed to Mitigate Interference in the 800 MHz Band." *Fire Chief News & Trends* 10 October 2002.
- http://firechief.com/ar/firefighting\_document\_developed\_mitigate/index.htm
- 192. Lee, Barbra B. "Travels with Trunking." *Fire Chief* 1 June 1999. <a href="http://firechief.com/magazinearticle.asp">http://firechief.com/magazinearticle.asp</a>.
- 193. "Homeland Emergency Response Operations Act Reintroduced." Congressional Fire Services Institute. *Firechief.com* 2 April 2003. <a href="http://firechief.com/ar/firefighting\_homeland\_emergency\_response/index.htm">http://firechief.com/ar/firefighting\_homeland\_emergency\_response/index.htm</a>.
- 194. Page, Douglas. "Tunnel blazes may lead to fire-resistant concrete." *Fire Chief* 1 August 1999.

- 195. "An Open Letter to Tom Ridge the Homeland Security Director." *VincentDunn.com* 11 May 2002. <a href="http://vincentdunn.com/ridge.html">http://vincentdunn.com/ridge.html</a>.
- 196. Chief Aiken and M. Douglas. "Bands on the Run." Lakes Region, N.H. Mutual Fire Aid. 1 July 2001. <a href="http://firechief.com/magazinearticle.asp">http://firechief.com/magazinearticle.asp</a>.
- 197. "GEM System T Pass 3 Evacuate; 2-Way Signaling Personal Alert Safety System (PASS)." Emergency Response Technology Program 18 July 2003. http://www.nttc.edu/ertprogram/gemsys.asp.
- 198. Dobroski, Harry and Stolarczyk, Larry G. "Medium Frequency Radio Communication System for Mine Rescue." Pittsburgh Research Center, Bureau of Mines and A.R.F. Products, Inc. 39
- 199. "Magazine archive 2002 Issue 3." *Metering International* 2002, Issue 3. <a href="http://www.metering.com/archive/023/36\_1.htm">http://www.metering.com/archive/023/36\_1.htm</a> 18 July 2003.
- 200. "Radioear Bone Conduction Headsets." Office of Law Enforcement Technology Commercialization Case Study. 15 July 2003. <a href="http://www.oltec.org/technologies/radioear.asp">http://www.oltec.org/technologies/radioear.asp</a>.
- 201. "Firefighters Test BodyMedia Monitor." *Pittsburgh Business Times* 9 September 2002. 15 July 2003.
- http://pittsburgh.bizjournals.com/pittsburgh/stories/2002/09/09/daily14.html?t=printable
- 202. Dr. Newbury, John. "Metering Communications and Services Using the Low Voltage Distribution Network." Communications Research Group, Open University 18 July 2003. Manchester England. <a href="http://www.metering.com">http://www.metering.com</a>.
- 203. J. Kivinen, X. Zhao, and P. Vainikainen, "Empirical characterization of wideband indoor radio channel at 5.3 *GHz*," *IEEE Trans. on Antennas Propagation*. vol. 49, August 2001.
- 204. Dobroski, Harry, Jr. and Larry G. Stolarczyk. "Radio Communication Improves Productivity, Safety." *Canadian Mining Journal* July 1983:26-29.
- 205. Eyres, B. "Underground Radios Have Met Success at Quirke." *Canadian Mining Journal* June 1986:59-62.
- 206. Barnes, Mark A.; Soumya Nag, Ph.D. and Tim Payment, P.E. "Covert Situational Awareness With Handheld Ultra-Wideband Short Pulse Radar." Radar Sensor Technology covert situational awareness with handheld ultra-wideband short pulse radar, *Proceedings of SPIE* Vol. 4374, 2001.
- 207. Gogoi, A. K. and R. Raghuram. *Analysis of VLF Loop Antennas on the Surface for Underground Mine Communications*. IEEE 1996.

- 208. Frenzel, Louis, E. "Ultrawideband Wireless Not-So-New Technology Comes Into Its Own." *Electronic Design*. 11 November 2002:53-60.
- 209. Shively, David. "Ultra-Wideband Radio—The New Part 15." *Microwave Journal* February 2003:132-146.
- 210. Schiavone, Guy et al. "Ultra-Wide Band Signal Analysis in Urban Environment." *Digital Wireless Communications IV*, *Proceedings of SPIE Vol. 4740*. 2002:219-226.
- 211. Stolarczyk, Larry G. "The Design of a Cellular MF Radio Communication System for Underground Mining." *National Telecommunications Conference, IEEE*, Houston, November 1982.
- 212. Giannopoulou, K. et al. "Measurements for 2.4 GHz Spread Spectrum System in Modern Office Buildings." National Technical University of Athens, Department of Electrical and Computer Engineering.
- 213. Austin, B.A. and G. P. Lambert. "Electromagnetic Propagation Underground with Special Reference to Mining." Electrical Engineering Division, Mining Technology Lab., Chamber of Mines of South Africa, Research Organization, 1983.
- 214. T.S. Rappaport and S. Sandhu, "Radio-Wave Propagation for Emerging Wireless Personal-Communication Systems," *IEEE Antennas and Propagation Magazine*, Vol. 36, no. 5 October 1994: 14-24.
- 215. McGehee, F. M., Jr. "Propagation of Radio Frequency Energy Through the Earth." Midwestern Regional Meeting of the Society of Geophysics, *Geophysics*, Vol. XIX, No. 3 July 1954: 459-476.
- 216. Barr, R.; Llanwyn Jones, D.; Rodger, C.J., "ELF and VLF Radio Waves," Journal of Atmospheric and Solar-Terrestrial Physics 62: 1689–1718, 2000.
- 217. Radford, Denny, "Spread Spectrum Powerline Communications: Practical Backbones for Wireless Networks," Intellon Corporation, Ocala, Florida.
- 218. Wang, Bor-Chin and Chang, Po-Rong "Spread Spectrum Multiple-Access with DPSK Modulation and Diversity for Image Transmission Over Indoor Radio Multipath Fading Channels." IEEE 1996.
- 219. Kohno, Ryuji, et al. "An Adaptive Canceller of Cochannel Interference for Spread-Spectrum Multiple-Access Communication Networks in a Power Line." *IEEE Journal* Volume 8, Number 4 May 1990: 691-699.
- 220. Kavehrad, M. and P. McLane. "Spread Spectrum for Indoor Digital Radio." *IEEE Communications Magazine*, Vol. 25, No. 6 June 1987:32.

- 221. Anderson, C., et al, "In-Building Wideband Multipath Characteristics at 2.5 & 60 GHz." IEEE Vehicular Technology Conference-VTC 2002-Fall, Vancouver, British Columbia, Canada, 24-28 September 2002:97-101.
- 222. Hashemi, Homayoun "Indoor Radio Propagation Channel." *Proceedings of the IEEE*, Vol. 81, No.7, July 1993:943-968.
- 223. Gaisford, Lisa "FCC Affirms Rules to Authorize the Deployment of Ultra-Wideband Technology." Press Release. Washington, DC: Federal Communications Commission, 13 February 2003.
- 224. Evers, Liesbeth, "Dutch Fire Service Wary of Tetra." *Network News* 19 April 2001. 16 July 2003. <a href="http://www.vnunet.com/News/1120699">http://www.vnunet.com/News/1120699</a>
- 225. X. Li; K. Pahlavan, M. Latva-aho, and M. Ylianttila. "Indoor Geolocation using OFDM Signals in HIPERLAN/2 Wireless LANs", *IEEE PIMRC2000*, London, September 2000.
- http://www.tik.ee.ethz.ch/~beutel/projects/picopositioning/indoor\_geolocation\_OFD M.pdf
- 226. Priyantha, Nissanka, Chakraborty, Nissanka and Balakrishnan, Hari. "The Cricket Location Support System." *Proceedings of the Sixth Annual ACM/IEEE International Conference on Mobile Computing and Networking (MobiCom 2000)*: 32-43, Boston, MA, August 2000.
- 227. Priyantha, N., et al. "The Cricket Compass for Context-Aware Mobile Applications." *Proceedings of the 7th Annual ACM/IEEE International Conference on Mobile Computing and Networking (MOBICOM) 2000*, Boston, MA, August 2000.
- 228. Priyantha, N. "Providing Precise Indoor Location Information to Mobile Devices." Master's Thesis, Massachusetts Institute of Technology, January 2001.
- 229. Michalakis, Nikolaos "Location-aware Access Control for Pervasive Computing Environments." Massachusetts Institute of Technology, Department of Electrical Engineering and Computer Science. February 2003. <a href="http://sow.lcs.mit.edu/2002/proceedings/michalakis.pdf">http://sow.lcs.mit.edu/2002/proceedings/michalakis.pdf</a>
- 230. Miu, Allen. "Design and Implementation of an Indoor Mobile Navigation System" Master's Thesis, Massachusetts Institute of Technology, Department of Electrical Engineering and Computer Science January 2002. <a href="http://nms.lcs.mit.edu/publications/cricketnav-thesis.pdf">http://nms.lcs.mit.edu/publications/cricketnav-thesis.pdf</a>.
- 231. Nogueras, Jorge Rafael "A Stream Redirection Architecture for Pervasive Computing Environments." Master's Thesis. Massachusetts Institute of Engineering, Department of Electrical Engineering and Computer Sciences June 2001. <a href="http://nms.lcs.mit.edu/publications/Rafa-Thesis.pdf">http://nms.lcs.mit.edu/publications/Rafa-Thesis.pdf</a>.

- 232. Chakraborty, A. "A Distributed Architecture for Mobile, Location-Dependent Applications," Master's Thesis, Massachusetts Institute of Technology, May 2000. http://nms.lcs.mit.edu/papers/achakra-thesis.pdf
- 233. "The Cricket Indoor Location System: An NMS Project @MIT LCS," Massachusetts Institute of Technology, Laboratory for Computer Science <a href="http://nms.lcs.mit.edu/projects/cricket/">http://nms.lcs.mit.edu/projects/cricket/</a> 11 August 2003.
- 234. Charles, S.A. and J.K. Pollard. "A Power Line Communications System Based on Discrete Multi-Tone Modulation." University College, Department of Electrical and Electronic Engineering, 2000, *London Communications Symposium*, London, 2000. <a href="http://www.ee.ucl.ac.uk/lcs/papers2000/lcs037.pdf">http://www.ee.ucl.ac.uk/lcs/papers2000/lcs037.pdf</a>
- 235. Pahlavan, K. Krishnamurthy, P. and Beneat, J. "Wideband Radio Propagation Modeling for Indoor Geolocation Applications." *IEEE Communications Magazine* April 1998.
- 236. Pahlavan, K., et al. "An Overview of Wireless Indoor Geolocation Techniques and Systems." Chapter of *Lecture Notes in Computer Science, Volume 1* Springer-Verlag Heielberg, 2000.
- 237. Belloul, B.; and S.R. Saunders "Improving Predicted Coverage Accuracy In Macrocells By Use Of Measurement-Based Predictions," *Twelfth International Conference on Antennas and Propagation. ICAP 2003* (IEE Conf. Publ. No. 491), Vol. 1, pp. 276-9.
- 238. Wang, Y.; X. Jia, and H.K. Lee. "An Indoors Wireless Positioning System Based on Wireless Local Area Network Infrastructure." *The 6<sup>th</sup> International Symposium on Satellite Navigation Technology Including Mobile Positioning & Location Services* Melbourne, Australia. 22-23 July 2003.
- 239. Rappaport, Theodore S. "Last-Mile Wireless Propagation Modeling, Measurement, & Prediction." Wireless Communications Alliance Meeting, Hewlett-Packard, Santa Clare, California, 17 November 1998.
- 240. Bahl, Paramvir and Padmanabhan, Venkata "User Location and Tracking in an In-Building Radio Network." Microsoft Research Technical Report MSR-TR-99-12, Redmond, Washington, February 1999.
- 241. Alevy, Adam M. "In-Building Propagation Measurements at 2.4 GHz." Cushcraft Corporation, Manchester, New Hampshire, Wireless Symposium, February 2002. <a href="http://www.cushcraft.com/comm/support/pdf/In\_Building\_paper.pdf">http://www.cushcraft.com/comm/support/pdf/In\_Building\_paper.pdf</a>
- 242. Hoppe, R., et al. "Wideband Propagation Modelling for Indoor Environments and for Radio Transmission Buildings." University of Stuttgart, Stuttgart, Germany <a href="http://www.ihf.uni-">http://www.ihf.uni-</a>

stuttgart.de/institut/mitarbeiter/hoppe/veroeffentlichungen/pimrc2000.pdf.

- 243. Katz, R., *CS* 294-7: *Radio Propagation*, Slide Presentation, CS Division, University of California, Berkeley. Berkeley, CA. 1996. <a href="http://www.sss-mag.com/pdf/1propagation.pdf">http://www.sss-mag.com/pdf/1propagation.pdf</a>.
- 244. Gahleitner, Rainer "Radio Wave Propagation in and into Urban Buildings." *Dissertation, Technischen Universität Wien* May 1994.
- 245. Win, Moe, Z.; Robert A. Scholtz and Mark A. Barnes. "Ultra-Wide Bandwidth Signal Propagation for Indoor Wireless Communications." *IEEE International Conference on Communications*, Montreal, Canada, June 1997.
- 246. Rappaport, Theodore, et al. "Propagation and Radio System Design Issues in Mobile Radio Systems for the GloMo Project." Mobile and Portable Radio Research Group, Virginia Polytechnic Institute and State University, 31 January 1997. http://www.sss-mag.com/pdf/prop.pdf.
- 247. Adickes, Martin, et al. "Optimization of Indoor Wireless Communication Network Layouts." *IEE Transactions*, 2001. <a href="http://www.ie.pitt.edu/graduate/recentpubs.html">http://www.ie.pitt.edu/graduate/recentpubs.html</a>.
- 248. "Power Line Communications II: More Than a Scientific Curiosity...But is it (Finally) THE LONG-Awaited 'Third Wire" to Every Home?" *CITI's Second PLC Conference*, Columbia University, New York, 16 July 2002.
- 249. Hubscher, Beat "Making broadband PLC a Commercial Reality." *Modern Power Systems* November 2001.
- 250. Kuhn, M. and A. Wittneben, "PLC Enhanced Wireless Access Networks: A Link Level Capacity Consideration", *IEEE Vehicular Technology Conference, VTC Spring 2002*, May 2002. www.nari.ee.ethz.ch/wireless/research/PLC\_cap.pdf
- 251. Omar, S and C. Rizos, "Incorporating GPS into Wireless Networks: Issues and Challenges," The Sixth International Symposium on Satellite Navigation Technology Including Mobile Positioning & Location Services, July 2003.
- 252. "AudioCodes and Main.net announce an integrated VoIP solution based on Main.net's PLUS<sup>TM</sup> telephony and AudioCodes' Mediant<sup>TM</sup> Gateway." Press Release. Israel. 6 November 2002. <a href="http://www.audiocodes.com/Main\_ID285-.html">http://www.audiocodes.com/Main\_ID285-.html</a>
- 253. "Main.net's Power Lince Ultimate System (PLUS)." Product information. <a href="http://www.mainnet-plc.com/plus\_overview.htm">http://www.mainnet-plc.com/plus\_overview.htm</a> 8 August 2003.
- 254. "PLCforum Summit Declares Increasing Support of the European Commission for Power Line Communication (PLC)." Press Release, PLC Forum. Mannheim, 12 December 2002.
- 255. "Are there Really Business Opportunities?" FAQ, PLC Forum, 8 August 2003. http://www.plcforum.org/plc.html

- 256. PLCForum.org. "Executive Summary" *PLC White Paper*. 2002. http://www.plcforum.org/docs/PUA\_White\_Paper.pdf
- 257. "BPL is 'Spectrum Pollution,' ARPL President Says." *ARRL Web* 6 August 2003. <a href="http://www.arrl.org/news/stories/2003/08/08/2/?nc+1">http://www.arrl.org/news/stories/2003/08/08/2/?nc+1</a>
- 258. "Standard 1397 Reference and Topology Model." IEEE Standard for Standard Reference and Topology Model for Automatic Metering and related Systems, 1994. http://www.gtiservices.org/amra/amra1/1397.htm
- 259. Meyer, Rauer L., "FCC Begins Major Study of Broadband Communications Over Power Line Technology." Construction WebLinks.com 30 June 2003. http://www.constructionweblinks.com/Resources/Industry\_Reports\_Newsletters/June \_30\_2003/fcc.htm
- 260. U.S. Federal Communications Commission. "FCC Begins Inquiry Regarding Broadband Over Power Line (BPL)." Press Release 23 April 2003. http://www.uplc.utc.org/file\_depot/0-10000000/0-10000/7966/conman/FCC+RELEASE.pdf.
- 261. Silva, J. M and B. Whitney. "Evaluation Of The Potential For Powerline Carrier (PLC) To Interfere With Use Of The Nationwide Differential GPS Network", *IEEE Transactions on Power Delivery*, Vol. 17, no. 2, April 2002, p. 348-52.
- 262. U.S. Office of Industrial Technologies. "Wireless Telecommunications Eliminates The Need For A Dedicated Hard-Wired Network" Wireless Mine-Wide Telecommunications Technology, Mining Project Fact Sheet Washington, DC: U.S. Department of Energy. <a href="http://www.oit.doe.gov/mining/factsheets/wireless.pdf">http://www.oit.doe.gov/mining/factsheets/wireless.pdf</a>
- 263. Sado, W. N. and J.S. Kunicki. "Personal Communication On Residential Power Lines-Assessment Of Channel Parameters", *Fourth IEEE International Conference on Universal Personal Communications*. Tokyo, Japan, 1995, p. 532-7.
- 264. Canete, F. J.; L. Diez, J.A. Cortes and J.T. Entrambasaguas. "Broadband Modelling Of Indoor Power-Line Channels" *IEEE Transactions on Consumer Electronics*, Vol. 48, no. 1, February 2002: 175-83
- 265. Newbury, J. "Communication Services using the Low Voltage Distribution Network", 2001 IEEE/PES Transmission and Distribution Conference and Exposition, vol.2. 2001: 638-40.
- 266. Andren, C. "Improving WLAN Performance in the Office Environment," online tutorial, <a href="http://www.nikkeibp.asiabiztech.com/nea/200005/inst\_101004.html">http://www.nikkeibp.asiabiztech.com/nea/200005/inst\_101004.html</a>.
- 267. Haartsen, J.C. and S. Zurbes. "Bluetooth voice and data performance in 802.11 DS WLAN environment," Ericsson SIG report, <a href="http://infovis.cs.vt.edu/multid/Literature\_Thesis/BT\_WLAN.pdf">http://infovis.cs.vt.edu/multid/Literature\_Thesis/BT\_WLAN.pdf</a>.

- 268. Baker, F. "An outsider's view of MANET," Internet Engineering Task Force 17 March 2002, Internet draft. <a href="http://www.cdt.luth.se/babylon/snc/References/draft-baker-manet-review-01.txt">http://www.cdt.luth.se/babylon/snc/References/draft-baker-manet-review-01.txt</a>.
- 269. Davenport, C. "Wireless Growth Hinders Rescuers: FCC Vows to Fix Radio Interference," *Washington Post* 18 August 2003: A01.
- 270. Johnson, David B. "Routing in Ad Hoc Networks of Mobile Hosts," *Proceedings of the IEEE Workshop on Mobile Computing Systems and Applications* December 1994. <a href="http://www.ics.uci.edu/~atm/adhoc/paper-collection/johnson-routing-adhoc-94.pdf">http://www.ics.uci.edu/~atm/adhoc/paper-collection/johnson-routing-adhoc-94.pdf</a>.
- 271. Chen, Tsu-Wei; Mario Gerla and Jack Tzu-Chieh Tsai. "QoS routing performance in a multi-hop, wireless networks," *Proceedings of the IEEE International Conference on Universal Personal Communications 1997*. http://www.ics.uci.edu/~atm/adhoc/paper-collection/gerla-qos-routing-icupc97.pdf.
- 272. Chiang, Ching-Chuan and Mario Gerla. "Routing and Multicast in Multihop, Mobile Wireless Networks," *Proceedings of the IEEE International Conference on Universal Personal Communications 1997*. <a href="http://www.ics.uci.edu/~atm/adhoc/paper-collection/gerla-routing-multicast-icupc97.pdf">http://www.ics.uci.edu/~atm/adhoc/paper-collection/gerla-routing-multicast-icupc97.pdf</a>.
- 273. Chiang, Ching-Chuan; Hsiao-Kuang Wu, Winston Liu and Mario Gerla. "Routing in Clustered Multihop Mobile Wireless Networks with Fading Channel," *Proceedings of the IEEE Singapore International Conference on Networks* (SICON'97) <a href="http://www.ics.uci.edu/~atm/adhoc/paper-collection/gerla-routing-clustered-sicon97.pdf">http://www.ics.uci.edu/~atm/adhoc/paper-collection/gerla-routing-clustered-sicon97.pdf</a>.
- 274. Corson, S. and J. Macker. "Mobile Ad hoc Networking (MANET): Routing Protocol Performance Issues and Evaluation Considerations," Internet Engineering Task Force, March 1998, Internet draft. <a href="http://www.ics.uci.edu/~atm/adhoc/paper-collection/corson-draft-ietf-manet-issues-01.txt">http://www.ics.uci.edu/~atm/adhoc/paper-collection/corson-draft-ietf-manet-issues-01.txt</a>.
- 275. Broch, Josh; David A. Maltz, David B. Johnson, Yih-Chun Hu and Jorjeta Jetcheva. "A Performance Comparison of Multi-Hop Wireless Ad Hoc Network Routing Protocols," *Proceedings of ACM/IEEE International Conference on Mobile Computing and Networking 1998*. <a href="http://www.ics.uci.edu/~atm/adhoc/paper-collection/johnson-performance-comparison-mobicom98.pdf">http://www.ics.uci.edu/~atm/adhoc/paper-collection/johnson-performance-comparison-mobicom98.pdf</a>.
- 276. Royer, Elizabeth M. and C. K. Toh. "A Review of Current Routing Protocols for Ad-Hoc Mobile Wireless Networks," *IEEE Personal Communications Magazine* April 1999: 46-55.
- http://www.cs.ucsb.edu/~ebelding/courses/176C/s03/papers/Review.pdf.
- 277. Das, S. R.; C. E. Perkins and E. M. Royer. "Performance Comparison of Two On-demand Routing Protocols for Ad Hoc Networks," *Proceedings of INFOCOM 2000 Conference*, Tel-Aviv, Israel, March 2000. http://www.cs.sunysb.edu/~samir/Pubs/infocom-2000.ps.

- 278. Zhou, L. and Z.J. Haas, "Securing Ad Hoc Networks," Cornell University, Ithaca, NY. http://www.cs.cornell.edu/home/ldzhou/adhoc.pdf.
- 279. Fontana, Robert J. and Steven J. Gunderson. "Ultra-Wideband Precision Asset Location System," *IEEE Conference on Ultra Wideband Systems and Technologies*, May 2002, Baltimore, MD.

http://www.multispectral.com/pdf/Precision\_Asset\_Location.pdf.

280. Foerster, Jeff; Evan Green, Srinivasa Somayazulu, and David Leeper. "Ultra-Wideband Technology for Short- or Medium-Range Wireless Communications," *Intel Technology Journal*, Q2, 2001.

http://www.intel.com/technology/itj/q22001/pdf/art\_4.pdf.

- 281. Win, M.Z. and R. A. Scholtz. "Impulse Radio--How it Works," *IEEE Communications Letters* February 1998, vol. 2, pp. 36-38.
- 282. Win, M.Z. and R. A. Scholtz. "On the robustness of ultra-wide bandwidth signals in dense multipath environments," *IEEE Communications Let*ters February 1998, vol. 2, pp. 51-53.

http://ultra.usc.edu/New\_Site/papers/RobustUWBIndoor\_CL244.pdf.

- 283. Fontana, Robert; Aitan Ameti, Edward Richley, Lance Beard, and Dennis Guy. "Recent Advances In Ultra Wideband Communications Systems," *Proceedings of IEEE Conference on Ultra Wideband Systems and Technologies*, May 2002. http://www.multispectral.com/pdf/Advances\_Comm.pdf.
- 284. Fontana, Robert. "Recent Applications Of Ultra Wideband Radar And Communications Systems," *Ultra-Wideband, Short-Pulse Electromagnetics* 2000. <a href="http://www.multispectral.com/pdf/UWBApplications.pdf">http://www.multispectral.com/pdf/UWBApplications.pdf</a>.
- 285. Fontana, Robert. "Experimental Results From An Ultra Wideband Precision Geolocation System," *Ultra-Wideband, Short-Pulse Electromagnetics* 2000. http://www.multispectral.com/pdf/UWBGeolocation.pdf.
- 286. Fontana, Robert. "A Brief History of UWB Communications." <a href="http://www.multispectral.com/history.html">http://www.multispectral.com/history.html</a>.
- 287. Cramer, R. Jean-Marc; Robert A. Scholtz and Moe Z. Win. "Evaluation of an Ultra-Wide-Band Propagation Channel," *IEEE Transactions On Antennas And Propagation*, Vol. 50, No. 5, May 2002, pp. 561-570. <a href="http://www.stanford.edu/~ketanh/EE359/scholtz.pdf">http://www.stanford.edu/~ketanh/EE359/scholtz.pdf</a>.
- 288. Doboroski, H. and Stolarczyk, L. G. "Whole-mine medium-frequency radio communication system", *Proceedings of the West Virginia University Conference on Coal Mine Electrotechnology*, Morgantown, WV, 28 July 1982: 124-136.

- 289. Hislop, J. and W. Rundle. "Medium-Frequency Emergency Longwall Communication System", *Proceedings Of The Eighth West Virginia University Mining Electrotechnology Conference*, Morgantown, WV, 30 July 1986: 22-26.
- 290. Benzair, K. "Vertical Propagation Model Of Radio Signals In A Multi-Storey Building", *Proceedings of the 9th International Conference on Antennas and Propagation*, v 2 n 407, Eindhoven, Netherlands, 1995: 149-156.
- 291. Dobroski, Harry Jr. "Control and Monitoring Via Medium Frequency Techniques and Existing Mine Conductors." Pittsburgh, PA: U.S. Department of the Interior.
- 292. Ghassemzadeh, S.S.; R. Jana, C. W. Rice, and W. Turin. "A Statistical Path Loss Model For In-Home UWB Channels," http://www.mit.edu/~vahid/ATT-Tarokh1.pdf.
- 293. Ghassemzadeh, S.S.; R. Jana, C. W. Rice, W. Turin, and V. Tarokh. "Measurement and Modeling of an Ultra-Wide Bandwidth Indoor Channel," *IEEE Transactions on Communications* 2002. <a href="http://www.mit.edu/~vahid/ATT-Tarokh3.pdf">http://www.mit.edu/~vahid/ATT-Tarokh3.pdf</a>.
- 294. Lee, M.K.; R. E. Newman, H. A. Latchman, S. Katar and L. Yonge. "HomePlug 1.0 Powerline Communication LANs -ProtocolDescription and Performance Results version 5.4," *International Journal Of Communication Systems*, 2000; 00:1–6 <a href="http://www.cise.ufl.edu/~nemo/papers/IJCS2003.pdf">http://www.cise.ufl.edu/~nemo/papers/IJCS2003.pdf</a>.
- 295. Takai, M.; J. Martin and R. Bagrodia. "Effects of Wireless Physical Layer Modeling in Mobile Ad Hoc Networks," UCLA Computer Science Department, presented at the International Conference On Mobile Computing and Networking, Long Beach, CA, 2001.
- 296. Mailandt, Peter. "Boston breaks new ground on tunnel, radio communications; A sophisticated antenna system extends 31 channels of trunked and conventional radio communications below ground to serve public safety requirements within a 1.67-mile long tunnel beneath Boston," *Mobile Radio Technology* 1 July 1996. <a href="http://iwce-mrt.com/ar/radio">http://iwce-mrt.com/ar/radio</a> boston breaks new/index.htm.
- 297. "Cell Phones Are Interfering With Local Emergency Radios". <a href="http://cms.firehouse.com/content/article/article.jsp?sectionId=46&id=17619">http://cms.firehouse.com/content/article/article.jsp?sectionId=46&id=17619</a>.
- 298. Orr, J.A. and D. Cyganski. "Fire Fighter Location Tracking & Status Monitoring Performance Requirements", PowerPoint presentation, Worcester Polytechnic Institute, Electrical and Computer Engineering Department.
- 299. NIST Project Brief. "Fireground Personnel Location And Communication System", <a href="http://www.atp.nist.gov/awards/2002list.htm">http://www.atp.nist.gov/awards/2002list.htm</a>.

- 300. Orr, J.A. and D. Cyganski. "Personnel Location Technology for Incident Response," Worcester Polytechnic Institute, Electrical and Computer Engineering Department, 11 July 2001.
- 301. Kissick, W.A. (ed.). *The Temporal and Spectral Characteristics of Ultrawideband Signals*, NTIA Report 01-383, Washington, DC: National Telecommunications and Information Administration, U.S. Department of Commerce, January 2001.
- 302. Petander, H. and Savolainen, O. *Ad hoc networking Technology and applications*, Helsinki University of Technology, T-109.551, Telecommunications Business II, Seminar Report, March 9, 2003. <a href="http://www.tml.hut.fi/Opinnot/T-109.551/2003/kalvot/Ad\_hoc.doc">http://www.tml.hut.fi/Opinnot/T-109.551/2003/kalvot/Ad\_hoc.doc</a>.
- 303. Technology Development, Ultra Wide Band, <a href="http://www.ida.gov.sg/Website/IDAContent.nsf/0/1856626048baf403c825698800267">http://www.ida.gov.sg/Website/IDAContent.nsf/0/1856626048baf403c825698800267</a> <a href="mailto:e26?OpenDocument">e26?OpenDocument</a>.
- 304. Vaughan. A. "FCC OKs UWB, For Some Cases" *Wireless Week*, 18 February 2002. http://www.wirelessweek.com/index.asp?layout=article&articleid=CA197317.
- 305. Ramirez-Mireles, F., *On Performance of Ultra Wideband Signals in Gaussian Noise and Dense Multipath*. http://ultra.usc.edu/New\_Site/papers/p99c265.pdf.
- 306. Mielczarek, B.; M. Wessman and A. Svensson. *Performance of Coherent UWB Rake Receivers using different Channel Estimators*, Communication System Group, Department of Signals and Systems, Chalmers University of Technology, Gothenburg, Sweden.
- http://db.s2.chalmers.se/download/publications/mielczarek\_1296.pdf.
- 307. P. Gupta, R. Gray, and P. R. Kumar. *An Experimental Scaling Law For Ad Hoc Networks* May 2001. Univ. of Illinois at Urbana-Champaign. <a href="http://citeseer.nj.nec.com/cache/papers/cs/27281/http:zSzzSzblack1.csl.uiuc.eduzSz~prkumarzSzps\_fileszSzexp.pdf/gupta01experimental.pdf">http://citeseer.nj.nec.com/cache/papers/cs/27281/http:zSzzSzblack1.csl.uiuc.eduzSz~prkumarzSzps\_fileszSzexp.pdf/gupta01experimental.pdf</a>.
- 308. Rappaport, Theodore S. *Wireless Communications Principles & Practice*, IEEE Press, 1996.
- 309. Perkins, C.E. Ad Hoc Networking 2001. Boston, Adison-Wesley.
- 310. U.S. Army. *Combined Arms Operations in Urban Terrain, Appendix L: Communications During Urban Operations*, Field Manual No. 3-06.11. Washington, D.C.: U.S. Department of Defense. February 2002. <a href="http://www.adtdl.army.mil/cgibin/atdl.dll/fm/3-06.11/appl.htm">http://www.adtdl.army.mil/cgibin/atdl.dll/fm/3-06.11/appl.htm</a>.
- 311. *Propagation of VLF Waves in Highly Conducting Medium*, Innsbruck University, Austria, 1963.

- 312. Petrescu, M. and V. Toth. "AX.25 Amateur Packet Radio As A Possible Emergency Network," *Hospital Information Systems / Telematics*, Dept. of Medical Informatics, University of Medicine and Pharmacy, Timisoara, Romania, p. 1020-1022.
- 313. Sanchez, G. Marvin. *Multiple Access Protocols with Smart Antennas in Multihop Ad Hoc Rural-Area Networks*, Dissertation, Royal Institute of Technology, Stockholm, Sweden, June 2002.

http://www.s3.kth.se/radio/Publication/Pub2002/Sanchez\_Lict2002.pdf.

- 314. National Fire Protection Association. *Fire Protection Handbook Nineteenth Edition, Volume I Public Emergency Services Communications Systems*. Quincy, MA, 2003.
- 315. Kuehl AE, ed. *Prehospital Systems and Medical Oversight*, Second Edition. St. Louis: National Association of EMS Physicians, Mosby, 1994.
- 316. "Radio Systems UHF, VHF, 800 MHz, simplex, repeaters, conventional, trunking: Just what do these terms mean ...," *Radio News* February 1999. http://www.timemci.com/downloads/99feb.pdf.
- 317. "Radio Terminology, Part 2: Simplex Systems," *Radio News* March 1999 <a href="http://www.timemci.com/downloads/99mar.pdf">http://www.timemci.com/downloads/99mar.pdf</a>.
- 318. "Radio Terminology: Part 3 Conventional Repeaters," *Radio News* April 1999 <a href="http://www.timemci.com/downloads/99apr.pdf">http://www.timemci.com/downloads/99apr.pdf</a>.
- 319. "Radio Terminology: Part 4 Trunked Radio," *Radio News* May 1999 http://www.timemci.com/downloads/99may.pdf.
- 320. "Radio Terminology: Part 5 Wide area Trunked Radio Network," *Radio News* June 1999 <a href="http://www.timemci.com/downloads/99june.pdf">http://www.timemci.com/downloads/99june.pdf</a>.
- 321. Walko, J. "Lumera targets smart antennas," CommsDesign.com. <a href="http://www.commsdesign.com/printableArticle?doc\_id=OEG20030904S0046">http://www.commsdesign.com/printableArticle?doc\_id=OEG20030904S0046</a>.
- 322. Mannion, P., "Smart antenna boosts IQ of WLANs, startup says", *EE Times*. <a href="http://www.commsdesign.com/story/OEG20030818S0061">http://www.commsdesign.com/story/OEG20030818S0061</a>.
- 323. N.H. Ha, R.M.A.P. Rajatheva, "Performance of Turbo Trellis-Coded Modulation on Frequency Selective Rayleigh Fading Channels," Telecommunications Program, SAT, Asian University of Technology. <a href="http://ent.mrt.ac.lk/~rajath/Papers/Fernando\_icc98.pdf">http://ent.mrt.ac.lk/~rajath/Papers/Fernando\_icc98.pdf</a>.
- 324. Stott, J. H., "Explaining some of the magic of COFDM," Proceedings of the 20<sup>th</sup> International Television Symposium, 1997. <a href="http://www.sss-mag.com/pdf/COFDM\_BBC.PDF">http://www.sss-mag.com/pdf/COFDM\_BBC.PDF</a>.

- 325. Vandendorpe, L. "Channel Coding and Error Correction in Digital Transmission" UCL Communications and Remote Sensing Lab, Universite Catholique de Louvain. http://www.tele.ucl.ac.be/ELEC2880/elec2880\_fec.pdf
- 326. Ahlen, A.; E. Lindskog, M. Sternad, C. Tidestav and M. Wennstrom. "Research on Multiple-Antenna Receivers and MIMO Systems in Digital Mobile Radio" 8 October 2002. http://www.signal.uu.se/Research/rdiversity.html
- 327. "Pad Personnel Locator". Kennedy Space Center, Technology Commercialization Office.

http://technology.ksc.nasa.gov/WWWaccess/techreports/96report/instf/inst06.html.

- 328. Buckley, S., "Is OFDM Ready for Prime Time?" Telecommunications Online, February 2001.
- http://www.telecommagazine.com/default.asp?journalid=3&func=articles&page=010 2t8&year=2001&month=2.
- 329. National Aeronautics and Space Administration, Technical Support Package on "Person-Locator System Based on Wristband Radio Transponders," 1995.
- 330. Ben Charny. B., "New technology won't rescue firefighters," CNET News, February 15, 2002. http://news.com.com/2100-1033-838935.html.
- 331. Berrou, C., Glavieux, A., and Thitimajshima, P., "Near Shannon limit error-correcting coding and decoding: Turbo-codes(1)," *Proceedings of the IEEE International Conference on Communications*, Geneva, Switzerland, May 1993. http://gladstone.systems.caltech.edu/EE/Courses/EE127/EE127B/handout/berrou.pdf.
- 332. Stoll, G.R., *Bi-Directional Amplifiers Enhancing Radio Coverage In Shadowed Areas And Inside Buildings*, presentation, Utility Telecom Consulting Group, Inc. February 11, 2002. <a href="http://www.utcg.com/BiDirectional%20Amps.doc">http://www.utcg.com/BiDirectional%20Amps.doc</a>.
- 333. Cover, T. M., and Thomas, J. A., *Elements of Information Theory*, 1991. Wiley, New York.
- 334 C. Berrou and A. Glavieux, "Near optimum error correcting coding and decoding: Turbo-codes," *IEEE Trans. Com*, Vol. 44, N 10, pp. 1261-1271, October 1996. <a href="http://www-elec.enst-">http://www-elec.enst-</a>

bretagne.fr/equipe/berrou/Near%20optimum%20error%20correcting%20coding%20and%20decoding%20turbo%20codes.pdf.

- 335. "Auto Dealership, Hackensack, NJ, July 1, 1988." *Fire Investigations*. National Fire Protection Association, 1988.
- 336. Routley, J Gordon. "Four Firefighters Killed, Trapped by Floor Collapse, Brackenridge, Pennsylvania." *Technical Report Series 061*. United States Fire Administration, Federal Emergency Management Agency.

- 337. Chubb, Mark. "Indianapolis Athletic Club Fire." *Technical Report Series 063*. United States Fire Administration, Federal Emergency Management Agency.
- 338. "Two Fire Fighters Die and Two Are Injured in Townhouse Fire—District of Columbia." *NIOSH Fire Fighter Fatality Investigation Report 99F-21*, November 23, 1999.
- 339. Waldschmidt, C., and Wiesbeck, W., *MIMO Antennas for Small Handheld Devices*, University of Karlsruhe, Germany <a href="http://ceta-mac3.mit.edu/piers2k3/pdf/0303070432.pdf">http://ceta-mac3.mit.edu/piers2k3/pdf/0303070432.pdf</a>.
- 340. Tirkkonen, O., and Hottinen, A., Improved MIMO Performance with Non-Orthogonal Space-Time Block Codes, Nokia Research Center, Finland presented at Globecom 2001. November 2001.
- http://www.nokia.com/downloads/aboutnokia/research/library/communication\_systems/CS6.pdf.
- 341. Aaron, Anne and Jie Weng. "Performance Comparison of On-Demand Ad-Hoc Routing Protocols with Node Energy Constraints." http://www.stanford.edu/~amaaron/ee360/EE360\_FINAL\_PAPER.pdf
- 342. BPO Solutions Limited. Meshhopper Roaming Mobile Broadband FAQ. Information Sheet. United Kingdom.
- 343. BPO Solutions Limited. BPO Solutions FAQ. Information Sheet. United Kingdom.
- 344. BPO Solutions Limited. "BPO Solutions Announces First Proprietary Roaming Mesh Technology for Automotive Manufacturers and Mobile Devices." Press Release 18 June 2003. <a href="http://www.bpo-solutions.co.uk/index.php?pid=press">http://www.bpo-solutions.co.uk/index.php?pid=press</a>
- 345. BPO Solutions Limited. Multi-Hop Meshhopper Fixed WLAN Network FAQ. Information Sheet. United Kingdom.
- 346. Weinstein, Stephen. "Resilient Communication Networks" 5 February 2003. Class #3, Architectures and Design Principles for Resilience, Columbia University.
- 347. Aerial Broadband. Mesh Networking Guide. <a href="http://www.aerial-broadband.com/AB%20-%20Mesh%20Networking%20Guide.pdf">http://www.aerial-broadband.com/AB%20-%20Mesh%20Networking%20Guide.pdf</a>
- 348. Sutherland, Ed. "Mesh-ing Up Mobile Technologies" 2 January 2002. *M CommerceTimes*.
- 349. Patel, Viri. "Wireless Mesh Networks: Broadband Wireless Access Without Base Stations." Radiant Networks. Cambridge, England. <a href="http://www.tdap.co.uk/uk/archive/mobile/mob(radiant\_0206).html">http://www.tdap.co.uk/uk/archive/mobile/mob(radiant\_0206).html</a>

- 350. Center for Advanced Computing and Communication. "Wireless Mesh Networking."
- 351. "Announcing: The Wireless Internet Assigned Numbers Authority" 5 April 2002. Community Wireless. <a href="http://www.communitywireless.org/">http://www.communitywireless.org/</a>
- 352. Cisco Systems, Inc. "Cisco COMET Innovation: Path-Protected Mesh Networks" 6 September 2002. White Paper. http://www.cisco.com/warp/public/cc/so/neso/olso/ppmn\_wp.htm
- 353. "Providing Solutions for Mobile Adhoc Networking" 11 October 2000. Mobile Mesh. <a href="http://www.mitre.org/work/tech\_transfer/mobilemesh/">http://www.mitre.org/work/tech\_transfer/mobilemesh/</a>
- 354. Blackwell, Gerry. "Mesh Networks: Disruptive Technology?" 25 January 2002. 02.11 Planet. http://www.wi-fiplanet.com/columns/article.php/961951
- 355. Aether Wire & Location, Inc. "Low Power, Miniature, Distributed Position Location and Communication Devices Using Ultra-Wideband, Nonsinusoidal Communication Technology." <a href="http://www.aetherwire.com/">http://www.aetherwire.com/</a>
- 356. Coli, Vincent. "Ultrawideband Technology Panel Discussion" 3 November 2002. *Complementing or Competin* Aether Wire & Location, Inc.
- 357. Sneeringer, James. "CITI Powerline III" 11 April 2003. *Wave Report*. <a href="http://www.wave-report.com/other-html-files/citipowerline3.htm">http://www.wave-report.com/other-html-files/citipowerline3.htm</a>
- 358. Stenger, James. "Broadband Power Line Tutorial" *Wave Report*. <a href="http://www.wave-report.com/tutorials/bpl.htm">http://www.wave-report.com/tutorials/bpl.htm</a>
- 359. Sneeringer, James. "CITI Powerline Communications II" 9 August 2002. *Wave Report*. http://www.wave-report.com/other-html-files/citipowerline2.htm
- 360. Ho, David. "FCC Eases Ultra-Wideband Restrictions." Associated Press. 14 February 2003. http://www.govtech.net/news/news.phtml?docid=2003.02.14-40760
- 361. Scholtz, Dr. Robert. "UltraLab." University of Southern California. <a href="http://ultra.usc.edu/New\_Site/">http://ultra.usc.edu/New\_Site/</a>
- 362. Mannion, Patrick. "Ultrawideband Watches Over Firefighters" 20 April 2001. *EE Times*.
- http://www.commsdesign.com/design\_center/wireless/news/OEG20010420S0071
- 363. Kuikka, Petri. "Wideband Radio Propagation Modeling for Indoor Geolocation Applications." Seminar on Telecommunications Technology, University of Helsinki, Department of Computer Science. <a href="http://www.helsinki.fi/~pkuikka/seminar/">http://www.helsinki.fi/~pkuikka/seminar/</a>
- 364. "LTR Trunking System Technical Description." www.twowayradiodirectory.com/LTR/htm.

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