

Books and Papers

[3G A. Roos] Anders Roos et al, “Critical Issues for Roaming in 3G”, *IEEE Wireless Communications*, Feb 2003, pp 29-35.

[3G B. Landfeldt] Bjorn Landfeldt et al, “Providing Scalable and Deployable Addressing in Third-Generation Cellular Networks”, *IEEE Wireless Communications*, Feb 2003, pp 36-42.

[3G E. Rousseau] E. Rousseau and T. Sagar, “Third Generation Terminals”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)

[3G G. Patel] G. Patel and S. Dennett, “The 3GPP and 3GPP2 Movements Toward an All-IP Mobile Network”, *IEEE Personal Communication*, Aug 2000, Vol. 7, No. 4, pp 62-64.

[3G Hughes] Hughes White Paper, “GSM TO 3G: Evolution or Revolution”, (URL: <http://www.hssworld.com/whitepapers/overview.htm>)

[3G J. Korhonen] Juha Korhonen, “*Introduction to 3G Mobile Communications*”, Artech House.

[3G M. Oliphant] Malcolm W. Oliphant, “Radio Interfaces Make the Difference in 3G Cellular Systems”, *IEEE Spectrum*, Oct 2000, pp 53-58.

[3G Nokia] Nokia White Paper, “Introducing Mobile IPv6 in 2G and 3G Mobile Networks”, (URL: http://www.nokia.com/downloads/solutions/operators/intro_to_mipv6.pdf)

[3G Northstream] Northstream report, “3G rollout status”, (URL: http://www.3gnewsroom.com/html/whitepapers/year_2003.shtml)

[3G P. Sehier] P. Sehier et al, “Standardization of 3G Mobile Systems”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)

[3G R. Prasad] R.Prasad, W. Mohr and W. Konhauser, “Third Generation Mobile Communication Systems”, Artech House.

[3G S. Tabbane] Sami Tabbane, “3G Wireless Networks Developments”, (URL: <http://www.wmrc.com/businessbriefing/pdf/wireless2002/reference/12.pdf>)

[3G Trillium] Trillium White Paper, “Third Generation (3G) Wireless White Paper”, (URL: <http://www.trillium.com/news-events/white-papers/index.html>)

[3G UMTS Forum] UMTS Forum White Paper, “Evolution to 3G/UMTS Services”, White Paper No. 1, UMTS Forum, Aug 2002. (URL: http://www.3gnewsroom.com/html/whitepapers/year_2002.shtml)

[4G A. Campbell] Andrew T. Campbell et al, Design, Implementation, and Evaluation of Cellular IP, *IEEE Personal Communications*, Aug 2000, pp 42-49.

[4G J. Kempf] James Kempf and Parviz Yegani, “OpenRAN: A New Architecture for Mobile Wireless Internet Radio Access Networks”, *IEEE Communications Magazine*, May 2002, pp 118-123.

[4G O. Haase] Oliver Haase and Kazutaka Murakami, “ Unified Mobility Manager: Enabling Efficient SIP/UMTS Mobile Network Control”, *IEEE Wireless Communications*, Aug 2003, pp 66-75.

[4G P. Demestichas] Panagiotis Demestichas et al, Management of Networks and Services in a Composite Radio Context, *IEEE Wireless Communications*, Aug 2003, pp 44-51

[4G R. Esmailzadeh] Riaz Esmailzadeh and Masao Nakagawa, “TDD-CDMA for the 4th Generation of Wireless Communications”, *IEEE Wireless Communications*, Aug 2003, pp 8-15.

[4G S. Uskela] Sami Uskela, “Key Concepts for Evolution Toward Beyond 3G Networks”, *IEEE Wireless Communications*, Feb 2003, pp 43-48.

[4G V. Kumar] V. Kumar, “Wireless Communications Beyond 3G”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)

[ATM S. Kasera] Sumit Kasera, “*ATM Networks: Concepts and Protocols*”, Tata McGraw-Hill.

[CDMA A. Morrison] A. Morrison et al, “An Iterative DOA Algorithm for a Space-Time DS-CDMA Rake Receiver”, *3G Mobile Communication Technologies Conference*, London, March 2000.

[CDMA A. Sampath] A. Sampath, P. Kumar and J. Holtzman, “On Setting Reverse Link Target SIR in a CDMA System”, *Proceedings of VTC’97*, Arizona, May 1997.

[CDMA A. Viterbi] A. J. Viterbi, “*Principles of Spread Spectrum Communication*”, Addison Wesley.

[CDMA F. Adachi] F. Adachi, M. Sawahashi and K. Okawa, “Tree-structured Generation of Orthogonal Spreading Codes with Different Lengths for Forward Link of DS-CDMA Mobile”, *Electronics Letters*, 1997, Vol. 33, No. 1, pp 27-28.

[CDMA Z. Liu] Zhao Liu and Magda El Zarki, “SIR-based Call Admission Control for DS-CDMA Cellular Systems” IEEE Journal on Selected Areas in Communications, May 1994, Vol. 12, No. 4, pp 638-644.

[GPRS A.Salkintzis] Apostolis K. Salkintzis et al, “WLAN-GPRS Integration for Next-Generation Mobile Data Networks”, *IEEE Wireless Communications*, Oct 2002, pp 112-124.

[GPRS B. Ghribi] Brahim Ghribi and Luigi Logrippo, “Understanding GPRS: The GSM Packet Radio Service”, (URL: http://lotos.site.uottawa.ca/ftp/pub/Lotos/Papers/GPRS_Tutorial.pdf)

[GPRS C. Bettstetter] C. Bettstetter, H. -J. Vogel, J. Eberspacher, “General Packet Radio Service GPRS: Architecture, Protocols, and Air Interface”, *IEEE Communications Survey*, Third Quarter 1999, Vol. 2, No. 3.

[GPRS Cisco] Cisco White Paper, “GPRS White Paper”, (URL: http://www.cisco.com/warp/public/cc/so/neso/gprs/gprs_wp.htm)

[GPRS G. Heine] G. Heine, “*GPRS from A – Z*”, Artech House.

- [GSM A. Mehrotra] A. Mehrotra, “*GSM System Engineering*”, Artech House.
- [GSM G. Heine] G. Heine, “*GSM Networks: Protocols, Terminology, and Implementation*”, Artech House.
- [GSM J. Eberspacher] J. Eberspacher and H. –J. Vogel, “*GSM: Switching, Services and Protocols*”, John Wiley & Sons.
- [GSM M. Mouly] M. Mouly and M. -B. Pautet, “*The GSM System for Mobile Communications*”, Published by the Authors.
- [GSM M. Rahnema] M. Rahnema, “Overview of the GSM System and Protocol Architecture” *IEEE Communications Magazine*, April 1993, Vol. 31, No. 4, pp 92-100.
- [GSM S. Redl] S. Redl, M. Weber and M. Oliphant, “*An Introduction to GSM*”, Artech House.
- [IMS H. Montes] Hector Montes et al, “Deployment of IP Multimedia Streaming Services in Third-Generation Mobile Networks”, *IEEE Wireless Communications*, Oct 2002, pp 84-92.
- [IMS N. Parameshwar 1] Narayan Parameshwar et. al., “Advanced SIP Series: SIP and 3GPP Operations”, (URL: http://www.awardsolutions.com/research/white_papers.shtml)
- [IMS N. Parameshwar 2] Narayan Parameshwar and Chris Reece, “Advanced SIP Series: SIP and 3GPP”, (URL: http://www.awardsolutions.com/research/white_papers.shtml)
- [IMS P. Frene] P. Frene et al, “Mobile Evolution Towards Full IP Multimedia”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)
- [IMS UMTS Forum] Report from UMTS Forum, “IMS Service Vision for 3G Markets”, Report No. 20, UMTS Forum, April 2002. (URL: http://www.3gnewsroom.com/html/whitepapers/year_2002.shtml)
- [IMT-2000 H. Yumiba] Hideaki Yumiba et al, “The Design Policy for a GSM-based IMT-2000 Network”, *IEEE Wireless Communications*, Feb 2003, pp 7-14.
- [IMT-2000 T. Tamura] Toshiyuki Tamura et al, “IMT-2000 Core Network Node Systems”, *IEEE Wireless Communications*, Feb 2003, pp 15-21.
- [LCS M. Dru] M. -A. Dru and S. Saada, “Location-based Mobile Services: The Essentials”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)
- [OSA R. Stretch] R. M. Stretch, “The OSA API and Other Related Issues”, *BT Technol J*, Jan 2001, Vol. 19, No. 1.
- [SIP G. Bonnet] G. Bonnet and Y. Shen, “Next Generation Telecommunication Services Based on SIP”, *Alcatel Telecommunications Review*, Second Quarter, 2002, (URL: <http://www.alcatel.com/atr>)
- [SS7 Verisign] Verisign Tutorial, “Signaling System 7 (SS7)”, (URL: <http://www.iec.org/online/tutorials/ss7>)
- [UMTS E. Nikula] E. Nikula et al, “ FRAMES Multiple Access for UMTS and IMT-2000”, *IEEE Personal Communications Magazine*, April 1998, pp 16-24.

- [UMTS J. Park] Jeong-Hyun Park, “Wireless Internet Access for Mobile Subscribers Based on the GPRS/UMTS Network”, *IEEE Communications Magazine*, April 2002, pp 38-49.
- [UMTS J. Wiljakka] Juha Wiljakka, “Transition to IPv6 in GPRS and WCDMA Mobile Networks”, *IEEE Communications Magazine*, April 2002, pp 134-140.
- [UMTS S. Baudet] S. Baudet et al, “QoS Implementation in UMTS Networks” *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)
- [UMTS S. Breyer] S. Breyer et al, “UMTS Node B Architecture in a Multi-Standard Environment”, *Alcatel Telecommunications Review*, First Quarter, 2001, (URL: <http://www.alcatel.com/atr>)
- [UMTS S. Kim] Soojin Kim et al, “Interoperability Between UMTS and CDMA2000 Networks”, *IEEE Wireless Communications*, Feb 2003, pp 22-28.
- [UMTS Tektronix] Tektronix Tutorial, “UMTS Protocols and Protocol Testing”, (URL: <http://www.iec.org/online/tutorials/umts>)
- [UMTS Y. Lin] Yi-Bing Lin et al, “An All-IP Approach for UMTS Third-Generation Mobile Networks”, *IEEE Network*, Sep/Oct 2002, pp 8-19.
- [UMTS Y. Lin] Yi-Bing Lin et al, “Mobility Management: From GPRS to UMTS”, *Wireless Communications and Mobile Computing*, 2001, Vol. 1, pp. 339-359.
- [UTRAN A. Toskala] A. Toskala, O. Lehtinen and P. Kinnunen, “UTRA GSM Handover from Physical Layer Perspective”, *Proceedings of ACTS Summit*, Italy, June 1999.
- [UTRAN M. Kiril] Mitrevski Kiril and Zgonjanin Dus Ko, “Principles of the UMTS Terrestrial Radio Access Network – UTRAN”, *IX Telecommunications Forum’2001*, Beograd, Nov 2001.
- [WCDMA E. Dahlman] E. Dahlman et al, “WCDMA – The Radio Interface for Future Mobile Multimedia Communications”, *IEEE Transactions on Vehicular Technology*, Nov 1998, Vol. 47, No. 4, pp 1105-1118.
- [WCDMA H. Holma] H. Holma et al, “Asynchronous Wideband CDMA for IMT-2000”, *SK Telecom Journal*, South Korea, 1998, Vol. 8, No. 6, pp 1007-1021.
- [WCDMA H. Holma] Harri Holma and Antti Toskala, “*WCDMA for UMTS: Radio Access for Third Generation Mobile Communications*”, John Wiley & Sons.
- [Wireless B. Walke] B. Walke , “*Mobile Radio Networks*”, John Wiley & Sons.
- [Wireless J. Vriendt] Johan De Vriendt et al, “Mobile Network Evolution: A Revolution on the Move”, *IEEE Communications Magazine*, April 2002, pp 104-111.