

**A  
Selected List of  
Books, Journals, CDs, Theses, Tutorials,  
ITU Standards and Internet Resources**

**on**

**CDMA  
3G and 4G Networks  
IMT-2000  
UMTS**

**Compiled  
By  
Resource Centre**



**DA-IICT  
Resource Centre  
Post Bag No: 4  
Near Indroda Circle  
Gandhinagar - 382 009**

**Books, Journals, CDs, Theses, Tutorials, ITU Standards and Internet Resources  
on CDMA, 3G & 4G Networks, IMT-2000 and UMTS**

**I Books on CDMA (Available in the Resource Centre)**

1.	Agrawal, Dharma Prakash & Zeng, Qing <b>An Introduction to wireless and mobile systems.</b> New Delhi: Thomson Learning, 2003. 621.382 AGR 008535
2.	Al Agha, Khaldoun, (Ed.) & Omidyar, Cambyse Guy, (Ed.) <b>Mobile and wireless communications networks: 5th IFIP-TC6 International Conference: proceedings.</b> New Jersey: World Scientific, 2003. 621.3821 AL 009057
3.	Blogh, J. S. & Hanzo, L. <b>Third-generation systems and intelligent wireless networking.</b> New York: John Wiley & Sons, 2002. 621.38456 BLO 009403
4.	Brown, Barry <b>Wireless World.</b> New York: Springer, 2001. 621.319 BRO 003643
5.	Etemad, Kamran <b>CDMA2000 evolution: system concepts and design principles.</b> New Jersey: John Wiley and Sons, 2004. 621.38456 ETE 011270
6.	Freeman, Roger L. <b>Reference Manual for Telecommunications Engineering. (3<sup>rd</sup> Ed.), Vol. 1 &amp; 2</b> New York: John Wiley and Sons, 1998. 621.382 FRE REF 003488, 003489
7.	Garg, Vijay K & Wilkes, Joseph E. <b>Wireless and Personal Communication Systems.</b> New Jersey: Prentice Hall, 1996. 621.3845 GAR 003214
8.	Garg, Vijay K. <b>Applications of CDMA in Wireless/Personal Communications.</b> New Jersey: Prentice Hall of India, 1997. 621.3845 GAR 002737
9.	Garg, Vijay K. <b>IS-95 CDMA and CDMA 2000.</b> New Jersey: Prentice Hall, 2000. 621.3845 GAR 002736
10.	Gibson, Jerry D. <b>Mobile communications handbook. (2<sup>nd</sup> Ed.)</b> Boca Raton: CRC Press, 1999. 621.3845 REF GIB 006147

11.	<p>Glisic, Savo G.  <b>Adaptive WCDMA: theory and practice.</b>  Chichester: John Wiley &amp; Sons, 2003.  621.38456 GLI  005528</p>
12.	<p>Guthery, Scott B. &amp; Cronin, Mary J.  <b>Mobile application development with SMS and the SIM Toolkit: building smart phone applications.</b>  New York: McGraw-Hill, 2002.  004.165 GUT  010764</p>
13.	<p>Hanzo, L., Munster, M., Choi, B.J. &amp; Keller, T.  <b>OFDM and MC-CDMA for broadband multi-user communications, WLANs, and broadcasting.</b>  England: John Wiley &amp; Sons, 2003.  621.382 HAN  008593</p>
14.	<p>Hanzo, L., Yang, L-L., Kuan, E-L. &amp; Yen, K.  <b>Single and multi-carrier DS-CDMA.</b>  England: John Wiley &amp; Sons, 2003.  621.384 5 HAN  008599</p>
15.	<p>Hanzo, Lajos  <b>Wireless Video Communications.</b>  New York: IEEE Press, 2001.  621.382 HAN  003492</p>
16.	<p>Helal, Abdelsalam, Haskell, Bert, Carter, Jeffrey L. &amp; Brice, Richard  <b>Any Time, Anywhere Computing.</b>  London: Kluwer Academic Publishers, 1999.  621.382 HEL  002758</p>
17.	<p>Ibnkahla, Mohamed (Ed.)  <b>Signal processing mobile communications handbook.</b>  London: CRC Press, 2005.  621.3822 IBN REF  011356</p>
18.	<p>Itoh, Tatsuo (Ed.)  <b>RF Technologies for Low Power Wireless Communications.</b>  New York: John Wiley &amp; Sons, 2001.  621.319 ITO 003494</p>
19.	<p>Karlson, Bo, Bria, Aurelian, Lonnqvist, Peter &amp; Norlin, Cristian ... [et al]  <b>Wireless foresight: scenarios of the mobile world in 2015.</b>  England: John Wiley &amp; Sons, 2003.  384.50112 KAR  009330</p>
20.	<p>Katz, James E. (Ed.)  <b>Perpetual Contact: Mobile Communication, Private Talk Public Performance.</b>  Cambridge: Cambridge University Press, 2002.  621.319 KAT  003576</p>
21.	<p>Kim, Kiseon &amp; Koo, Insoo  <b>CDMA systems capacity engineering.</b>  Boston: Artech House, 2005.  621.38456 KIM  012742</p>

22.	Korowajczuk, Leonhard, Xavier, Bruno de Souza Abreu, Filho, Arlindo Moreira Fartes & Ribeiro, Leila Zurba ... [et al] <b>Designing CDMA 2000 systems.</b> New Jersey: John Wiley, 2004. 621.38456 KOR 009471
23.	Larocca, James & Larocca, Ruth <b>802.11 Demystified.</b> New York: McGraw-Hill, 2002. 621.319 LAR 004125
24.	Lee, Byeong Gi & Kim, Byoung-Hoon <b>Scrambling Techniques for CDMA Communications.</b> London: Kluwer Academic Publishers, 2001. 621.382 LEE 002753
25.	Lee, William C. Y. <b>Mobile communications design fundamentals. (2<sup>nd</sup> Ed.)</b> New York: John Wiley & Sons, 1993. 621.38456 LEE 005921
26.	Lee, William C. Y. <b>Mobile communications engineering: Theory and applications. (2<sup>nd</sup> Ed.)</b> New York: McGraw Hill, 1998. 621.3845 LEE 007247
27.	Logsdon, Tom <b>Mobile Communication Satellites.</b> New York: McGraw-Hill, 1995. 621.382 LOG 004293
28.	Mitrou, Nikolas (Ed.), Kontovasilis, Kimon (Ed.), Rouskas, George N. (Ed.) & Ilias, Iliadis, (Ed.) ... [et al]: <b>Networking 2004, networking technologies, services, and protocols; performance of computer and communication networks; mobile and wireless communications: third international IFIP-TC6 networking conference, athens, greece, may 9-14, 2004: proceedings.</b> Berline: Springer-Verlag, 2004. 004 MIT 010188
29.	Molisch, Andreas F. (Ed.) <b>Wideband Wireless Digital Communications.</b> Delhi: Pearson Education Asia, 2001. 621.382 MOL 002472
30.	Mukherjee, Amitava, Bandyopadhyay, Somprakash & Saha, Debashis <b>Location management and routing in mobile wireless networks.</b> Boston: Artech House, 2003. 621.382 MUK 009324
31.	Pahlavan, Kaveh <b>Principles of wireless networks.</b> Delhi: Pearson Education Asia, 2002. 621.319 PAH 003497, 011537, 011538

32.	Pandya, Raj <b>Mobile and personal communication systems and services.</b> New Delhi: Prentice Hall of India, 2004. 621.3845 PAN 011534
33.	Pierre, Samuel (Ed.), Barbeau, Michel (Ed.) & Kranakis, Evangelos (Ed.) <b>Ad-hoc, mobile and wireless networks.</b> New York: Springer-Verlag, 2003. 004 PIE 008436
34.	Rappaport, Theodore S. (Ed.), Woerner, Brian D. (Ed.) & Reed, Jeffrey H. (Ed.) <b>Wireless Personal Communications.</b> London: Kluwer Academic Publishers, 1996. 621.382 RAP 003046
35.	Rosenberg, Adam & Kemp, Sid <b>CDMA capacity and quality optimization.</b> New York: McGraw-Hill, 2003. 621.3845 ROS 008517
36.	Saracco, Roberto <b>Disappearance of Telecommunications.</b> New York: IEEE Press, 2000. 621.382 SAR 001515
37.	Schiller, Jochen <b>Mobile Communications.</b> New Delhi: Addison-Wesley, 2001. 621.382 SCH 000076, 000775
38.	Schiller, Jochen <b>Mobile communications. (2nd Ed.)</b> Delhi: Pearson Education, 2003. 621.382 SCH 008589
39.	Shanker, P.M. <b>Introduction to Wireless Systems.</b> New York: John Wiley & Sons, 2001. 621.382 SHA 004745
40.	Sheldon, Tom <b>McGraw-Hill Encyclopedia of Networking and Telecommunications.</b> New Delhi: Tata McGraw-Hill, 2001. 621.382 SHE REF 003473
41.	Smyth, Peter (Ed.) <b>Mobile and wireless communications: key technologies and future applications.</b> London: IEE, 2004. 621.384 SMY 012141
42.	Solomon, James D. <b>Mobile IP: the internet unplugged.</b> New Jersey: Prentice Hall, 1998. 004.62 SOL 011041

43.	<p>Stavroulakis, Peter  <b>Wireless Local Loops.</b>  New York: John Wiley &amp; Sons, 2001.  621.31933 STA  003341</p>
44.	<p>Stojmenovic, Ivan  <b>Handbook of Wireless Networks and Mobile Computing.</b>  New York: John Wiley, 2002.  621.319 REF STO  003487</p>
45.	<p>Swan, Peter A. &amp; Devieux, Carrie L.  <b>Global mobile satellite systems: a systems overview.</b>  Boston: Kluwer Academic, 2003.  384.51 SWA  008646</p>
46.	<p>Swartz, Francis (Ed.), Rooyen, Pieter van (Ed.), Oppermann, Ian (Ed.) &amp; Lotter, Michiel P. (Ed.)  <b>CDMA Techniques for Third Generation Mobile Systems.</b>  London: Kluwer Academic Publishers, 1999.  621.3845 SWA  002764</p>
47.	<p>Tachikawa, Keiji  <b>W-CDMA mobile communication system.</b>  Chichester: John Wiley &amp; Sons, 2002.  621.38456 TAC 006943</p>
48.	<p>Tuttlebee, Walter  <b>Software Defined Radio Enabling Technologies.</b>  London: John Wiley, 2002.  621.384 TUT 003845</p>
49.	<p>Vanghi, Vieri, Damnjanovic, Aleksandar &amp; Vojcic, Branimir  <b>CDMA2000 systems for mobile communications.</b>  Delhi: Pearson Education, 2004.  621.3845 VAN  011641</p>
50.	<p>Vines, Russell Dean  <b>Wireless security essentials.</b>  Indianapolis: Wiley Publishing, 2002.  005.8 VIN  005510</p>
51.	<p>Viterbi, Andrew J.  <b>CDMA Principles of Spread Spectrum Communications.</b>  England: Addison-Wesley, 1995.  621.3845 VIT 003216</p>
52.	<p>Wesolowski, Krzysztof  <b>Mobile Communication Systems.</b>  England: John Wiley and Sons, 2002.  621.382 WES  003483</p>
53.	<p>Yacob, Michel Daoud  <b>Wireless Technology.</b>  New York: CRC Press, 2002.  621.382 YAC  003485</p>
54.	<p>Yang, Guu-Chaang &amp; Kwong, Wing C.  <b>Prime codes with applications to CDMA optical and wireless networks.</b>  Boston: Artech House, 2002.  621.382 YAN  008886</p>

## II Books on 3G and 4G Networks (Available in the Resource Centre)

1.	<p>Aggelou, George  <b>Mobile ad hoc networks: from wireless LANs to 4G networks.</b>            New York: McGraw-Hill, 2005.            004.688 AGG            013373</p>
2.	<p>Bannister, Jeffrey, Mather, Paul, Coope, Sebastian  <b>Convergence technologies for 3G networks: IP, UMTS, EGPRS and ATM.</b>            USA: John Wiley &amp; Sons, 2004.            621.38456 BAN            008859</p>
3.	<p>Castro, Jonathan P.  <b>All IP in 3G CDMA networks: the umts infrastructure and service platforms for future mobile systems.</b>            New Jersey: John Wiley and Sons, 2004.            621.3845 CAS            011377</p>
4.	<p>Etoh, Minoru (Ed.)  <b>Next generation mobile systems: 3G and beyond.</b>            England: John Wiley and Sons, 2005.            621.38456 ETO            013365</p>
5.	<p>Garg, Vijay K.  <b>Wireless Networking Evolution 2G to 3G.</b>            New Jercy: Prentice Hall, 2002.            621.382 GAR            002735</p>
6.	<p>Halonen, Timo, Romero, Javier (Romero Garcia) &amp; Melero, Juan.  <b>GSM, GPRS and EDGE performance: evolution towards 3G/UMTS. (2<sup>nd</sup> Ed.)</b>            Chichester: John Wiley &amp; Sons, 2003.            621.38456 HAL            010160</p>
7.	<p>Hara, Shinsuke &amp; Prasad, Ramjee  <b>Multicarrier techniques for 4G mobile communications.</b>            Boston: Artech House, 2003.            621.382 HAR            009373</p>
8.	<p>Hottinen, Ari, Trikkonen, Olav &amp; Wichman, Risto  <b>Multi-antenna transceiver techniques for 3G and beyond.</b>            Chichester: John Wiley &amp; Sons, 2003.            621.38483 HOT            005527</p>
9.	<p>Kasera, Sumit &amp; Narang, Nishit  <b>3G networks: architecture, protocols and procedures.</b>            Delhi: Tata McGraw-Hill, 2004.            621.382 KAS 009763</p>
10.	<p>Korhonen, Juha  <b>Introduction to 3G mobile communications, (2nd Ed.)</b>            Boston: Artech House, 2003.            621.38456 KOR 009769</p>
11.	<p>Kwon, Yong-Jin (Ed.), Bouju, Alain (Ed.) &amp; Claramunt, Christophe (Ed.)  <b>Web and wireless geographical information systems: 4th international workshop, W2GIS 2004, Goyang, Korea, November 26-27, 2004, revised selected papers.</b>            Berlin: Springer, 2005.            004 KWO            013243</p>

12.	Lu, Willie W. (Ed.) <b>Broadband Wireless Mobile: 3G and Beyond.</b> New Jersey: John Wiley & Sons, 2002. 621.319 LU, 004481
13.	Prasad, Ramjee & Munoz, Luis <b>WLANS and WPANS towards 4G wireless.</b> Boston: Artech House, 2003. 004.68 PRA 009346
14.	Prasad, Ramjee <b>Towards Global 3G System.</b> London: Artech House, 2001. 621.3845 PRA 003646
15.	Steele, Raymond, Lee, Chin - Chun & Gould, Peter <b>GSM, CDMAOne and 3G systems.</b> New York: John Wiley & Sons, 2001. 621.3845 STE 010291
16.	Yang, Samuel C. <b>3G CDMA2000: wireless system engineering.</b> Boston: Artech House, Inc., 2004. 621.3845 YAN 012740

### III Books on UMTS (Available in the Resource Centre)

1.	Ahonen, Tomi T. (Ed.) & Barrett, Joe (Ed.) <b>Services for UMTS: creating killer applications in 3G.</b> England: John Wiley & Sons, 2002. 384.534 AHO 010017
2.	Brand, Alex <b>Multiple Access Protocols for Mobile Communications GPRS, UMTS and Beyond.</b> New York: John Wiley and Sons, 2002. 621.382 BRA 003342
3.	Castro, Jonathan P. <b>UMTS network and radio access technology.</b> Chichester: John Wiley & Sons, 2001. 621.3845 CAS 005646
4.	Hillebrand, Friedhelm (Ed.) <b>GSM and UMTS.</b> New York: John Wiley & Sons, 2002. 621.3845 HIL 003338
5.	Holma, Harri, Ed. & Toskala, Antti (Ed.) <b>WCDMA for UMTS: radio access for third generation mobile communications (3<sup>rd</sup> Ed.)</b> England: John Wiley & Sons, 2004. 621.3845 HOL 010783
6.	Kaaranen, Heikki, Ahtiainen, Ari, Laitinen, Lauri & Naghian, Siamak ... [et. al] <b>UMTS networks: architecture, mobility and services.</b> Chichester: John Wiley & Sons, 2001. 621.382 KAA 010015

7.	Laiho, Jaana (Ed.), Wacker, Achim (Ed.) & Novosad, Tomas (Ed.) <b>Radio network planning and optimisation for UMTS.</b> West Sussex, England: John Wiley & Sons, 2002. 621.382 LAI 010016
8.	Lescuyer, Pierre <b>UMTS: origins, architecture, and the standard.</b> London: Springer-Verlag, 2003. 621.38456 LES 008747
9.	Niemi, Valtteri & Nyberg, Kaisa <b>UMTS security.</b> Chichester: John Wiley & Sons, 2003. 005.8 NIE 008337, 009843
10.	Taferner, Manfred <b>Wireless Internet Access over GSM and UMTs.</b> New York: Springer-Verlag, 2002. 621.319 TAF 003854

#### IV CDs (Available in the Resource Centre)

1.	Al Agha, Khaldoun (Ed.) & Omidyar, Cambyse Guy (Ed.) <b>Mobile and wireless communications networks: 5th IFIP-TC6 International Conference: proceedings.</b> New Jersey: World Scientific, 2003. 621.3821 AL C00815
2.	Hillebrand, Friedhelm (Ed.) <b>GSM and UMTS.</b> New York: John Wiley & Sons, 2002. 621.3845 HIL C00634
3.	Laiho, Jaana (Ed.), Wacker, Achim (Ed.) & Novosad, Tomas (Ed.) <b>Radio network planning and optimisation for UMTS.</b> West Sussex, England: John Wiley & Sons, 2002. 621.382 LAI C00850
4.	Sheldon, Tom <b>McGraw-Hill Encyclopedia of Networking and Telecommunications.</b> New Delhi: Tata McGraw-Hill, 2001. 621.382 SHE C00337

#### V ITU Standards (Available in the Resource Centre)

##### A CDMA

1.	<b>M.1186 (10/95)</b> Technical considerations for the coordination between mobile-satellite service (MSS) networks utilizing code division multiple access (CDMA) and other spread spectrum techniques in the 1-3 GHz band
2.	<b>Q.1742.1 (12/02)</b> IMT-2000 references to ANSI-41 evolved core network with cdma2000 access network
3.	<b>Q.1742.2 (07/03)</b> IMT-2000 references (approved as of 11 July 2002) to ANSI-41 evolved core network with cdma2000 access network

4.	<b>Q.1742.3 (01/04)</b> IMT-2000 references (approved as of 30 June 2003) to ANSI-41 evolved core network with cdma2000 access network
5.	<b>Q.1742.4 (04/05)</b> IMT-2000 references (approved as of 30 June 2004) to ANSI-41 evolved core network with cdma2000 access network

## **B IMT-2000**

6.	<b>Q.1742.1 (12/02)</b> IMT-2000 references to ANSI-41 evolved core network with cdma2000 access network
7.	<b>Q.1742.2 (07/03)</b> IMT-2000 references (approved as of 11 July 2002) to ANSI-41 evolved core network with cdma2000 access network
8.	<b>Q.1742.3 (01/04)</b> IMT-2000 references (approved as of 30 June 2003) to ANSI-41 evolved core network with cdma2000 access network
9.	<b>Q.1742.4 (04/05)</b> IMT-2000 references (approved as of 30 June 2004) to ANSI-41 evolved core network with cdma2000 access network
10.	<b>M.1036-2 (06/03)</b> Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications-2000 (IMT-2000) in the bands 806-960 MHz, 1 710-2 025 MHz, 2 110-2 200 MHz and 2 500-2 690 MHz
11.	<b>M.1078 (09/94)</b> Security principles for International Mobile Telecommunications-2000 (IMT-2000)
12.	<b>M.1079-2 (06/03)</b> Performance and quality of service requirements for International Mobile Telecommunications-2000 (IMT-2000) access networks
13.	<b>M.1167 (10/95)</b> Framework for the satellite component of International Mobile Telecommunications-2000 (IMT-2000)
14.	<b>M.1168 (10/95)</b> Framework of International Mobile Telecommunications-2000 (IMT-2000)
15.	<b>M.1391 (01/99)</b> Methodology for the calculation of IMT-2000 satellite spectrum requirements
16.	<b>M.1456 (05/00)</b> Minimum performance characteristics and operational conditions for high altitude platform stations providing IMT-2000 in the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz in Regions 1 and 3 and 1 885-1 980 MHz and 2 110-2 160 MHz in Region 2
17.	<b>M.1457-3 (12/03)</b> Detailed specifications of the radio interfaces of International Mobile Telecommunications-2000 (IMT-2000)
18.	<b>M.687-2 (02/97)</b> International Mobile Telecommunications-2000 (IMT-2000)
19.	<b>M.817 (03/92)</b> International Mobile Telecommunications-2000 (IMT-2000). Network architectures
20.	<b>M.819-2 (02/97)</b> International Mobile Telecommunications-2000 (IMT-2000) for developing countries
21.	<b>Q.1701 (03/99)</b> Framework for IMT-2000 networks
22.	<b>Q.1731 (06/00)</b> Radio-technology independent requirements for IMT-2000 layer 2 radio interface
23.	<b>Q.1741.1 (04/02)</b> IMT-2000 references to release 1999 of GSM evolved UMTS core network with UTRAN access network

## C UMTS

24.	<b>Q.1741.1 (04/02)</b> IMT-2000 references to release 1999 of GSM evolved UMTS core network with UTRAN access network
25.	<b>Q.1741.2 (12/02)</b> IMT-2000 references to release 4 of GSM evolved UMTS core network with UTRAN access network
26.	<b>Q.1741.3 (09/03)</b> IMT-2000 references to release 5 of GSM evolved UMTS core network
27.	<b>Q.1741.4 (10/05)</b> IMT 2000 references to release 6 of GSM evolved UMTS core network

## D Wireless

28.	<b>M.1076 (09/94)</b> Wireless communication systems for persons with impaired hearing
29.	<b>F.1103 (09/94)</b> Fixed wireless systems operating in bands 8 and 9 for the provision of subscriber telephone connections in rural areas
30.	<b>F.1399-1 (05/01)</b> Vocabulary of terms for wireless access
31.	<b>F.1400 (05/99)</b> Performance and availability requirements and objectives for fixed wireless access to public switched telephone network
32.	<b>F.1402 (05/99)</b> Frequency sharing criteria between a land mobile wireless access system and a fixed wireless access system using the same equipment type as the mobile wireless access system
33.	<b>F.1488 (05/00)</b> Frequency block arrangements for fixed wireless access systems in the range 3 400-3 800 MHz
34.	<b>F.1496-1 (02/02)</b> Radio-frequency channel arrangements for fixed wireless systems operating in the band 51.4-52.6 GHz
35.	<b>F.1518 (05/01)</b> Spectrum requirement methodology for fixed wireless access and mobile wireless access networks using the same type of equipment, when coexisting in the same frequency band
36.	<b>F.1566 (05/02)</b> Performance limits for maintenance of digital fixed wireless systems operating in plesiochronous and synchronous digital hierarchy-based international paths and sections
37.	<b>F.1568 (05/02)</b> Radio-frequency block arrangements for fixed wireless access systems in the range 10.15-10.3/10.5-10.65 GHz
38.	<b>F.1613 (02/03)</b> Operational and deployment requirements for fixed wireless access systems in the fixed service in Region 3 to ensure the protection of systems in the Earth exploration-satellite service (active) and the space research service (active) in the band 5 250-5 350 MHz
39.	<b>F.1706 (01/05)</b> Protection criteria for point-to-point fixed wireless systems sharing the same frequency band with nomadic wireless access systems in the 4 to 6 GHz range
40.	<b>F.757-3 (02/03)</b> Basic system requirements and performance objectives for fixed wireless local loop applications using cellular type mobile technologies
41.	<b>G.174 (06/94)</b> Transmission performance objectives for terrestrial digital wireless systems using portable terminals to access the PSTN
42.	<b>G.723.1 Annex C (11/96)</b> Speech coders: Scalable channel coding scheme for wireless applications

## VI. MTech. Theses (Available in the Resource Centre)

1.	Chander, Vipperla Ravi <b>Incorporation of mobility model of nodes in zone routing protocol for mobile ad hoc wireless networks.</b> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2004. 004.65 CHA T00008
2.	Saxena, Nischal <b>Distributed clustering for heterogeneous wireless sensor network in data gathering applications.</b> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005. 681.2 SAX T00063
3.	Sharma, Ashish kumar <b>Integrated receiver front-end: system level architectures and design issues for CDMA based applications.</b> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2004. 621.3845 SHA T00011
4.	Shenoy, Shakti Prasad <b>Space-time coding techniques for multiple antenna communications.</b> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2004. 621.3824 SHE T00014
5.	Sudhir, K. Venkata <b>Localization of target in wireless sensor networks.</b> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005. 681.2 SUD T00038
6.	Vege, Hari Kiran <b>Energy conserving voidless coverage in wireless ad-hoc sensor networks.</b> Gandhinagar. Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005. 681.2 VEG T00061

## VII Tutorials (Available free on the Internet)

1.	Universal Mobile Telecommunications System (UMTS) Protocols and Protocol Testing <a href="http://www.iec.org/online/tutorials/umts/topic01.html">http://www.iec.org/online/tutorials/umts/topic01.html</a>
2.	Overview of The Universal Mobile Telecommunication System <a href="http://www.umtsworld.com/technology/overview.htm">http://www.umtsworld.com/technology/overview.htm</a>
3.	Introduction to CDMA <a href="http://www.bee.net/mhendry/vrml/library/cdma/cdma.htm">http://www.bee.net/mhendry/vrml/library/cdma/cdma.htm</a>
4.	CDMA Reference Blockset Tutorial <a href="http://www.mathworks.com/access/helpdesk/help/toolbox/cdma/cdmatutorial.html">http://www.mathworks.com/access/helpdesk/help/toolbox/cdma/cdmatutorial.html</a>
5.	Introduction to CDMA <a href="http://www.qualcomm.com/ProdTech/cdma/training/cdma25/intro/modules.html">http://www.qualcomm.com/ProdTech/cdma/training/cdma25/intro/modules.html</a>
6.	A Guide to 3GPP Security Documents <a href="http://www.csirik.net/3gpp.html">http://www.csirik.net/3gpp.html</a>
7.	3G Tutorial <a href="http://www.nmscommunications.com/DevPlatforms/BuildingBlocks/Technologies/3G324MandIPVideo/3GTutorial.htm">http://www.nmscommunications.com/DevPlatforms/BuildingBlocks/Technologies/3G324MandIPVideo/3GTutorial.htm</a>

### VIII Journals (Available Free on the Internet)

1.	EURASIP Journal on Wireless Communications and Networking <a href="http://www.hindawi.com/journals/wcn/index.html">http://www.hindawi.com/journals/wcn/index.html</a>
2.	Microwaves and RF <a href="http://www.mwrf.com/">http://www.mwrf.com/</a>
3.	Journal of Computer Science <a href="http://www.scipub.us/c4p.php?j_id=jcs">http://www.scipub.us/c4p.php?j_id=jcs</a>

### VIII Journals (Available in the Resource Centre)

1.	ACM SIGMOBILE Mobile Computing and Communications Review <a href="http://portal.acm.org/toc.cfm?id=1096166">http://portal.acm.org/toc.cfm?id=1096166</a>
2.	Communications Society: a digest of news and events of interest of communications engineers <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8158">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8158</a>
3.	IEE Communication Engineer <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8515">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8515</a>
4.	IEE Proceedings Communication <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2191">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2191</a>
5.	IEEE Communications Magazine <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=35">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=35</a>
6.	IEEE Communications Letters <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4234">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4234</a>
7.	IEEE Internet Computing <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4236">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4236</a>
8.	IEEE Network <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=65">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=65</a>
9.	IEEE/ACM Transactions on Networking (TON) <a href="http://portal.acm.org/toc.cfm?id=1088742">http://portal.acm.org/toc.cfm?id=1088742</a>
10.	IEEE Transactions on Mobile Computing <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7755">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7755</a>
11.	IEEE Transactions on Wireless Communications <a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7693">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7693</a>
12.	International Journal of Network Management <a href="http://portal.acm.org/toc.cfm?id=1066409">http://portal.acm.org/toc.cfm?id=1066409</a>
13.	Mobile Networks and Applications <a href="http://portal.acm.org/toc.cfm?id=1046430">http://portal.acm.org/toc.cfm?id=1046430</a>
14.	Wireless Networks <a href="http://portal.acm.org/toc.cfm?id=1035678">http://portal.acm.org/toc.cfm?id=1035678</a>

### IX Associations, Newsgroups and Discussion Forums

1.	CDMA Development Group <a href="http://www.cdg.org/">http://www.cdg.org/</a>
2.	CDMA Online Commercial Development And Marketing Association <a href="http://www.cdmaonline.org/home.html">http://www.cdmaonline.org/home.html</a>
3.	CTIA - The Wireless Association <a href="http://www.ctia.org/">http://www.ctia.org/</a>
4.	GSA: Global mobile Suppliers Association <a href="http://www.gsacom.com/">http://www.gsacom.com/</a>
5.	Mobile Manufacturers Forum (MMF) <a href="http://www.mmfai.org/public/">http://www.mmfai.org/public/</a>
6.	TD-SCDMA FORUM <a href="http://www.tdscdma-forum.org/EN/index.asp">http://www.tdscdma-forum.org/EN/index.asp</a>
7.	Telecommunications Industry Association (TIA) <a href="http://www.tiaonline.org/">http://www.tiaonline.org/</a>

8.	UMTS Forum <a href="http://www.umts-forum.org/servlet/dycon/ztumts/umts/Live/en/umts/Home">http://www.umts-forum.org/servlet/dycon/ztumts/umts/Live/en/umts/Home</a>
9.	UMTS TDD Alliance <a href="http://www.umtstd.org/">http://www.umtstd.org/</a>
10.	WAP Forum <a href="http://www.wapforum.org/">http://www.wapforum.org/</a>
11.	Wireless World Forum <a href="http://www.w2forum.com">http://www.w2forum.com</a>
12.	Wireless World Research Forum (WWRF) <a href="http://www.ww-rf.org/">http://www.ww-rf.org/</a>

**X Key Websites to find Internet Resources of articles, white papers, technical reports, eprints, the latest research and more!**

1.	3G Phones, 3G Mobiles, News, 3G Reviews, Forum, 3G Store, Games, 3G Newsletter <a href="http://www.3g.co.uk/">http://www.3g.co.uk/</a>
2.	3G White papers and Reports <a href="http://www.3gnewsroom.com/html/whitepapers/index.shtml">http://www.3gnewsroom.com/html/whitepapers/index.shtml</a>
3.	3rd Generation Partnership Project (3GPP) <a href="http://www.3gpp.org/">http://www.3gpp.org/</a>
4.	3 <sup>rd</sup> Generation Partnership Project 2 (3GPP2) <a href="http://www.3gpp2.org/">http://www.3gpp2.org/</a>
5.	Alliance for the Telecommunications Industry Solutions (ATIS) <a href="http://www.atis.org/">http://www.atis.org/</a>
6.	CDMA, W-CDMA, 3G, WCDMA, cdmaOne, cdma2000, iPBX <a href="http://witmail.hypermart.net/">http://witmail.hypermart.net/</a>
7.	EEVL Xtra <a href="http://www.eevlextra.ac.uk/spp/portal/?spp_action=cancel">http://www.eevlextra.ac.uk/spp/portal/?spp_action=cancel</a>
8.	European Telecommunications Standards Institute (ETSI) <a href="http://www.etsi.org/">http://www.etsi.org/</a>
9.	IEC: Universal Mobile Telecommunications System (UMTS) Protocols and Protocol Testing <a href="http://www.iec.org/online/tutorials/umts/topic01.html">http://www.iec.org/online/tutorials/umts/topic01.html</a>
10.	ITPapers <a href="http://itpapers.com/index.aspx">http://itpapers.com/index.aspx</a>
11.	UMTS World: News and Information about 3G mobile networks <a href="http://www.umtsworld.com/">http://www.umtsworld.com/</a>

