REFERENCES

- [1] S. Ohmori, Y. Yamao, and N. Nakajima, "The Future Generations of Mobile Communications Based on Broadband Access Technologies," *Communications Magazine, IEEE*, 2000, vol. 38, pp. 134-142.
- [2] P. Rost, C. J. Bernardos, A. D. Domenico, M. D. Girolamo, M. Lalam, A. Maeder, D. Sabella, and D. Wubben, "Cloud Technologies for Flexible 5G Radio Access Networks," *Communications Magazine, IEEE*, 2014, vol. 52, pp. 68-76.
- B. Evans, M. Werner, E. Lutz, M. Bousquet, G. E. Corazza, and G. Maral, "Integration of Satellite and Terrestrial Systems in Future Multimedia Communications," *Wireless Communications, IEEE*, 2005, vol. 12, pp. 72-80.
- [4] M. Y. Ahmed, T. A. Rahman, S. K. A. Rahim, and Z. A. Shamsan, "Interference Coupling Loss Between Highaltitude Platform Gateway and Fixed Satellite Service Earth Station at 5850–7075 MHz," *Journal of Electromagnetic Waves and Applications*, 2011/01/01, 2011, vol. 25, pp. 339-350.
- [5] Y. Hase, R. Miura, and S. Ohmori, "A Novel Broadband All Wireless Access Network Using Stratospheric Platforms," in *Vehicular Technology Conference, 1998. VTC 98. 48th IEEE*, **1998**, pp. 1191-1194 vol.2.
- [6] G. M. Djuknic, J. Freidenfelds, and Y. Okunev, "Establishing Wireless Communications Services via High Altitude Aeronautical Platforms: A Concept Whose Time Has Come?," *Communications Magazine, IEEE*, 1997, vol. 35, pp. 128-135.
- [7] A. Mohammed and Z. Yang, "Broadband Communications and Applications from High Altitude Platforms," *ACEEE International Journal on Communication*, **2010**, vol. 1, pp. 32-36.
- [8] T. Mshvidobadze, "Evolution mobile wireless communication and LTE networks," in *Application of Information and Communication Technologies (AICT), 2012 6th International Conference on*, **2012**, pp. 1-7.
- [9] R. Bekkers, B. Verspagen, and J. Smits, "Intellectual Property Rights and Standardization: the Case of GSM," *Telecommunications Policy*, **2002**, vol. 26, pp. 171-188.
- [10] B. Ghribi and L. Logrippo, "Understanding GPRS: the GSM Packet Radio Service," *Computer Networks*, **2000**, vol. 34, pp. 763-779.
- [11] IEEE802.16, "IEEE Standard for Local and Metropolitan Area Networks Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems Amendment 2: Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands and Corrigendum 1," 2006.
- [12] A. Ghosh, D. R. Wolter, J. G. Andrews, and R. Chen, "Broadband Wireless Access with WiMax/802.16: Current Performance Benchmarks and Future Potential," *Communications Magazine, IEEE*, 2005, vol. 43, pp. 129-136.
- [13] A. Sayenko, O. Alanen, J. Karhula, and T. Hämäläinen, "Ensuring the QoS Requirements in 802.16 Scheduling," in *Proceedings of the 9th ACM international symposium on Modeling analysis and simulation of wireless and mobile systems*, **2006**, pp. 108-117.

- [14] I. F. Akyildiz, D. M. Gutierrez-Estevez, and E. C. Reyes, "The Evolution to 4G Cellular Systems: LTE-Advanced," *Physical Communication*, 2010, vol. 3, pp. 217-244.
- [15] M. Iwamura, K. Etemad, M.-H. Fong, R. Nory, and R. Love, "Carrier Aggregation Framework in 3GPP LTE-Advanced [WiMAX/LTE Update]," *Communications Magazine, IEEE*, **2010**, vol. 48, pp. 60-67.
- I. Bisio, R. De Gaudenzi, H. Nguyen, F.-N. Pavlidou, and T. Yamazato, "Recent Advances in Satellite and Space Communications," *Communications and Networks, Journal of*, **2010**, vol. 12, pp. 523-528.
- [17] S. S. Al-Wakeel, "An Architecture Design of a VSAT Satellite Network for Multimedia on Demand Services," in *Wireless Communications and Networking Confernce, 2000. WCNC. 2000 IEEE*, **2000**, pp. 809-812.
- [18] L. Stergioulas, M. Abbasi, V. Pitsilis, M. Constantin, and M. Kretschmer, "Satellite-Enabled Education for Geographically Isolated Communities of Farmers and Maritime Workers, The BASE² Project," in *International Conference on Bridging the Digital Divide in Rural Communities: Practical Solutions and Policies, Athen, Greece*, 2008.
- [19] Y. J. Song, P. S. Kim, D. G. Oh, S. I. Jeon, and H. J. Lee, "Development of Mobile Broadband Interactive Satellite Access System for Ku/Ka Band," *International Journal of Satellite Communications and Networking*, **2006**, vol. 24, pp. 101-117.
- [20] ITU.Report, "High Altitude Platform Stations: An Opportunity to Close the Information Gap," ITU Question 9/2,**1998**.
- [21] J. Thornton, D. Grace, C. Spillard, T. Konefal, and T. Tozer, "Broadband Communications from a High Altitude Platform: The European HeliNet Programme," *Electronics & Communication Engineering Journal*, **2001**, vol. 13, pp. 138-144.
- [22] D. Grace and M. Mohorcic, *Broadband Communications via High-Altitude Platforms*: John Wiley & Sons, **2011**.
- [23] T. Tozer, D. Grace, J. Thompson, and P. Baynham, "UAVs and HAPs -Potential Convergence for Military Communications," *The Institution of Electrical Engineers IEE*, **2000**, pp. 1-10.
- [24] T. Tozer and D. Grace, "High Altitude Platforms for Wireless Communications," *IEE Electronics and Communications Engineering Journal*, 2001, vol. 13, pp. 127–137.
- [25] D. Grace, J. Thornton, T. Konefal, C. Spillard, and T. Tozer, "Broadband Communications from High Altitude Platforms-The HeliNet Solution," in *Wireless Personal Mobile Conference, Aalborg, Denmark*, 2001, pp. 75-80.
- [26] A. Mohammed, S. Arnon, D. Grace, M. Mondin, and R. Miura, "Advanced Communication Techniques and Applications for High-Altitude Platforms," *EURASIP Journal on Wireless Communications and Networking*, 2008, vol. 2008.
- [27] G. S. Rao, *Mobile Cellular Communication*: Pearson, 2012.
- [28] P. Papadimitriou, V. Tsaoussidis, and C. Zhang, "End-to-End Loss Differentiation for Video Streaming with Wireless Link Errors," *Telecommunication Systems*, **2010**, vol. 43, pp. 295-312.
- [29] L. Romdhani, Q. Ni, and T. Turletti, "Adaptive EDCF: Enhanced Service Differentiation for IEEE 802.11 Wireless ad-hoc Networks," in *Wireless*

Communications and Networking, 2003. WCNC 2003. 2003 IEEE, **2003**, pp. 1373-1378.

- [30] S. Raina, "Quality of service to Subscriber," **2004**, pp. 48-51.
- [31] M. Di Crescenzo, E. Guainella, and C. Sansone, "Multicast-Aware QoS in Next Generation Networks,", **2008**.
- [32] I. Miloucheva, D. Hetzer, R. Pascotto, and K. Jonas, "Resource Reservation in Advance for QoS Based Mobile Applications," *International Review on Computers and Software (IRECOS)*, 2007, vol. 2.
- [33] K. Viswanath and K. Obraczka, "Interoperability of Multicast Routing Protocols in Wireless ad hoc Networks," *Wireless Communications and Mobile Computing*, 2006, vol. 6, pp. 225-234.
- [34] A. Sameh, S. Wagh, and Q. Salama, "Dealing with Quality of Service in Hybrid Wired-Wireless Networks," in *Network Applications Protocols and Services (NETAPPS), 2010 Second International Conference on,* **2010**, pp. 105-109.
- [35] R. Alturki, K. Nwizege, R. Mehmood, and M. Faisal, "End to End Wireless Multimedia Service Modelling over a Metropolitan Area Network," in *Computer Modelling and Simulation, 2009. UKSIM'09. 11th International Conference on*, **2009**, pp. 532-537.
- [36] Q. Ni, A. Vinel, Y. Xiao, A. Turlikov, and T. Jiang, "Wireless Broadband Access: WiMax and Beyond-Investigation of Bandwidth Request Mechanisms Under Point-to-Multipoint Mode of WiMax Networks," *Communications Magazine, IEEE*, 2007, vol. 45, pp. 132-138.
- [37] R. Ludwig, H. Ekstrom, P. Willars, and N. Lundin, "An Evolved 3GPP QoS Concept," in *Vehicular Technology Conference*, 2006. VTC 2006-Spring. IEEE 63rd, 2006, pp. 388-392.
- [38] A. Vargas, W. H. Gerstacker, and M. Breiling, "QoS-Oriented Solutions for Satellite Broadcasting Systems," *Communications and Networks, Journal of,* **2010**, vol. 12, pp. 558-567.
- [39] M. Marchese and M. Mongelli, "Adaptive Call Admission and Bandwidth Control in DVB-RCS Systems," *Communications and Networks, Journal of*, **2010**, vol. 12, pp. 568-576.
- [40] F. Vieira, V. Castro, and G. Seco Granados, "A Tunable-Fairness Cross-Layer Scheduler for DVB-S2," *International Journal of Satellite Communications and Networking*, **2006**, vol. 24, pp. 437-450.
- [41] P. Pace, G. Aloi, and S. Marano, "Performance Analysis of Connection Admission Control Scheme in a DVB-RCS Satellite System," in *Personal*, *Indoor and Mobile Radio Communications*, 2004. PIMRC 2004. 15th IEEE International Symposium on, 2004, pp. 2066-2070.
- [42] B. Jabbari, "Teletraffic Aspects of Evolving and Next-Generation Wireless Communication Networks," *Personal Communications, IEEE*, **1996**, vol. 3, pp. 4-9.
- [43] P. Likitthanasate, D. Grace, and P. D. Mitchell, "Spectrum Etiquettes for Terrestrial and High Altitude Platform Based Cognitive Radio Systems," *Communications, IET*, 2008, vol. 2, pp. 846-855.
- [44] L.-C. Tseng, F.-T. Chien, D. Zhang, R. Y. Chang, W.-H. Chung, and C. Huang, "Network Selection in Cognitive Heterogeneous Networks Using Stochastic Learning," *Communications Letters, IEEE*, 2013, vol. 17, pp. 2304-2307.

References

- [45] S. H. Alsamhi and N. S. Rajput, "Interference Environment between High Altitude Platform Station and Fixed Wireless Access Stations," *International Journal of Engineering and Research Applications (IJERA)*, 2012, vol. 4, pp. 1508-1513.
- [46] S. H. Alsamhi, N. S. Rajput, and V. N. Mishra, "Guarantee QoS in Coexistencee of High Altitude Platform System and WiMAX TerrestrialSystem," *KIET International Journal of Communications & Electronic*, 2013, vol. 1, pp. 9-15.
- [47] S. H. Alsamhi and N. S. Rajput, "Methodology for Mitigation of Interferences from High Altitude Platform Ground Station to Terrestrial Stations," *international journal of Scientific & Engineering Research* (*IJSER*), **2012**, vol. 3, pp. 1-7.
- [48] S. H. Alsamhi and N. S. Rajput, "Efficient Cooperative HAPS-Terrestrial WiMAX System," presented at the International Conference on Advances in Electrical, Electronics and Computer Engineering, **2014**.
- [49] J. Kim, S. Park, S. H. Rhee, Y.-H. Choi, Y.-u. Chung, and H. Y. Hwang, "Coexistence of WiFi and WiMAX Systems Based on PS-Request Protocols," *Sensors*, 2011, vol. 11, pp. 9700-9716.
- [50] N. Golmie, N. Chevrollier, and O. Rebala, "Bluetooth and WLAN Coexistence: Challenges and Solutions," *Wireless Communications, IEEE*, **2003**, vol. 10, pp. 22-29.
- [51] M. Salhani, R. Dhaou, and A.-L. Beylot, "QoS Mapping and Connection Admission Control in the WiMAX-DVB-RCS Access Network," in *Proceedings of the 4th ACM workshop on Performance monitoring and measurement of heterogeneous wireless and wired networks*, **2009**, pp. 94-98.
- [52] A. Centonza and S. McCann, "Architectural and Protocol Structure for Composite DVB-RCS/IEEE 802.16 Platforms," in *Digital Video Broadcasting Over Satellite: Present and Future, 2006. The Institution of Engineering and Technology Seminar on,* **2006**, pp. 35-40.
- [53] D. Chitre and T. Henderson, "Seamless Integration of Satellite and Terrestrial Networks," **1995**.
- [54] G. Araniti, A. Iera, and A. Molinaro, "The Role of HAPs in Supporting Multimedia Broadcast and Multicast Services in Terrestrial-Satellite Integrated Systems," *Wireless Personal Communications*, 2005/02/01, 2005, vol. 32, pp. 195-213.
- [55] S. Karapantazis and F. N. Pavlidou, "The Role of High Altitude Platforms in Beyond 3G Networks," *Wireless Communications, IEEE*, **2005**, vol. 12, pp. 33-41.
- [56] S. H. Alsamhi and N. S. Rajput, "Neural Network in aJoint HAPS and Terrestrial Fixed Broadband System," *International Journal of Technological Exploration and Learning (IJTEL)*, 2014, vol. 3, pp. 344-348.
- [57] J. Holis and P. Pechac, "Coexistence of terrestrial and HAP 3G networks during disaster scenarios," *Radioengineering*, **2008**, vol. 17, pp. 1-7.
- [58] Z. Yang, D. Grace, and P. D. Mitchell, "Coexistence Performance of WiMAX in HAP and Multiple-Operator Terrestrial Deployments in Shared Frequency Bands," **2005**.
- [59] P. Likitthanasate, D. Grace, and P. D. Mitchell, "Coexistence Performance of High Altitude Platform and Terrestrial Systems Sharing a Common

Downlink WiMAX Frequency Band," *Electronics Letters*, **2005**, vol. 41, pp. 858-860.

- [60] J. Holis and P. Pechac, "Penetration Loss Measurement and Modeling for HAP Mobile Systems in Urban Environment," *EURASIP J. Wirel. Commun. Netw.*, **2008**, vol. 2008, pp. 1-7.
- [61] Z. Yang, A. Mohammed, T. Hult, and D. Grace, "Downlink coexistence performance assessment and techniques for WiMAX services from high altitude platform and terrestrial deployments," *EURASIP Journal on Wireless Communications and Networking*, **2008**, vol. 2008, p. 3.
- [62] J. L. Cuevas-Ruiz, A. Aragón-Zavala, and B. Bautista-León, "Co-channel Interference for Terrestrial and HAPS Systems in a Cellular Structure," in *Electronics, Robotics and Automotive Mechanics Conference, 2009. CERMA'09.*, 2009, pp. 50-54.
- [63] G. Avdikos, G. Papadakis, and N. Dimitriou, "Overview of the Application of High Altitude Platform (HAP) Systems in Future Telecommunication Networks," in *Signal Processing for Space Communications, 2008. SPSC 2008. 10th International Workshop on*, 2008, pp. 1-6.
- [64] A. Mohammed, A. Mehmood, F.-N. Pavlidou, and M. Mohorcic, "The Role of High-Altitude Platforms (HAPs) in the Global Wireless Connectivity," *Proceedings of the IEEE*, **2011**, vol. 99, pp. 1939-1953.
- [65] Z. Yang, A. Mohammed, and T. Hult, "Performance Evaluation of WiMAX Broadband from High Altitude Platform Cellular System and Terrestrial Coexistence Capability," *EURASIP Journal on Wireless Communications and Networking*, **2008**, vol. 2008, p. 4.
- [66] Rec.ITU-RF.1569, "Technical And Operational Characteristics For The Fixed Service Using High Altitude Platform Stations In The Bands 27.5-28.35 GHz And 31-31.3 GHz ", Geneva F.1569, **2002**.
- [67] A. G. Flattie, "Sky Station Stratospheric Disaster Recovery System by Appling HAPs and Cooperative Communication Protocols," in 2nd International Conference on Research in Science, Engineering and Technology, Dubai (UAE), 2014, pp. 59-65.
- [68] M. S. Kuran and T. Tugcu, "A Aurvey on Emerging Broadband Wireless Access Technologies," *Computer Networks*, **2007**, vol. 51, pp. 3013-3046.
- [69] ITU-RM.1456, "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- 1980 MHz and 2 110-2 160 MHz in Region 2," 2011.
- [70] Rec.ITU-RF.1500, "Preferred Characteristics of Systems in the Fixed Service Using High Altitude Platform Operating in the Bands 47.2-47.5GHZ and 47.9-48.2 GHz,", **2000**.
- [71] M. Oodo, R. Miura, T. Hori, T. Morisaki, K. Kashiki, and M. Suzuki, "Sharing and Compatibility Study between Fixed Service Using High Altitude Platform Stations (HAPS) and Other Services in the 31/28 GHz Bands," *Wireless Personal Communications*, 2002/10/01, 2002, vol. 23, pp. 3-14.
- [72] M. Achtelik, A. Bachrach, R. He, S. Prentice, and N. Roy, "Autonomous Navigation and Exploration of a Quadrotor Helicopter in GPS-Denied Indoor Environments," in *First Symposium on Indoor Flight*, ed, **2009**.

- [73] S. Khaleefa, S. Alsamhi, and N. Rajput, "Tethered Balloon Technology for Telecommunication, Coverage and Path Loss," in *Electrical, Electronics* and Computer Science (SCEECS), 2014 IEEE Students' Conference on, 2014, pp. 1-4.
- [74] J. D. Deaton, "High Altitude Platforms for Disaster Recovery: Capabilities, Strategies, and Techniques for EmergencyTelecommunications.," *EURASIP Journal on Wireless Communications and Networking*, 2008, vol. 2008, pp. 1-8.
- [75] T. Tozer and A. Smith, "High Atitude Platforms and Milsatcom for Future Capacity Requirements," in *Milsatcoms 2010, IET Seminar on*, **2010**, pp. 1-26.
- [76] S. Karapantazis and F. N. Pavlidon, "Broad Band from Heaven," *IEE Communication Engineering*, **2004**, pp. 18-23.
- [77] D. Grace and M. Mohorčič. (2010). *Broadband Communications via High Altitude Platforms*.
- [78] Z. Wang, X. Liu, and Z. Li, "Steerable antennas movement compensation for high altitude platform," *Journal of Electronics (China)*, 2011/03/01, 2011, vol. 28, pp. 154-160.
- [79] M. H. Capstick and D. Grace, "High Altitude Platform mm-Wave Aperture Antenna Steering Solutions," *Wireless Personal Communications*, 2005/02/01, **2005**, vol. 32, pp. 215-236.
- [80] D. I. Axiotis, M. E. Theologou, and E. D. Sykas, "The Effect of Platform Instability on the System Level Performance of HAPS UMTS," *Communications Letters, IEEE*, **2004**, vol. 8, pp. 111-113.
- [81] K. Katzis, L. Dong, D. D. Luong, D. Grace, and P. Mitchell, "Resource Allocation and Handoff Techniques for High Altitude Platforms,", 2006. <u>http://www.capanina.org/documents/CAP-D23a-WP24-UOY-PUB-01.pdf2006</u>.
- [82] N. S. Rajput, K. Singh, and S. H. ALSamhi, "Parametric Mitigation of Cochannel Interference between HAP Ground Station and FWA Using Neural Networks," presented at the AIATA-2011, IT(BHU)-Varanasi, 2011.
- [83] P. Pace, G. Aloi, F. De Rango, E. Natalizio, A. Molinaro, and S. Marano, "An Integrated Satellite-HAP-Terrestrial System Architecture: Resources Allocation and Traffic Management Issues," in *Vehicular Technology Conference, 2004. VTC 2004-Spring. 2004 IEEE 59th*, **2004**, pp. 2872-2875.
- [84] D. Grace, N. E. Daly, T. C. Tozer, A. G. Burr, and D. A. J. Pearce, "Providing Multimedia Communications Services from High Altitude Platforms," *International Journal of Satellite Communications*, 2001, vol. 19, pp. 559-580.
- [85] A. Aragón-Zavala, J. L. Cuevas-RuízJosé, and A. Delgado-Penín, *High-Altitude Platforms for Wireless Communications*. New York: Wiley, **2008**.
- [86] ITU-R P.1410-2, "Propagation data and prediction methods required for the design of terrestrial broadband millimetric radio access systems operating in a frequency range of about 20-50 GHz," ITU, **2005**.
- [87] ITU-R F.1607, "Interference Mitigation Techniques for Use by High Altitude Platform Stations in the 27.5-28.35 GHz and 31.0-31.3 GHz bands," GenevaR, **2003**.

- [88] Z. Elabdin, O. Elshaikh, R. Islam, A. Ismail, and O. Khalifa, "High Altitude Platform for Wireless Communications and Other Services," in *Electrical and Computer Engineering*, 2006. *ICECE'06. International Conference on*, **2006**, pp. 432-438.
- [89] S. H. Alsamhi and N. S. Rajput, "An Intelligent HAP for Broadband Wireless Communications: Developments, QoS and Applications," *International Journal of Electronics and Electrical Engineering*, 2015, vol. 3.
- [90] R. E. Sheriff and Y. F. Hu, *Mobile Satellite Communication Networks*: John Wiley & Sons, **2003**.
- [91] A. K. Widiawan and R. Tafazolli, "High altitude platform station (HAPS): a review of new infrastructure development for future wireless communications," *Wireless Personal Communications*, **2007**, vol. 42, pp. 387-404.
- [92] S. In Soo and K. Namkyeom, "Mobile Base Station System Based on UMTS-HSDPA High Altitude Platform Station," in *Information and Communication Technology Convergence (ICTC), 2010 International Conference on*, **2010**, pp. 286-287.
- [93] W. F. Althoff, "Sky Ships: A History of the Airship in the United States Navy," **1998**.
- [94] T. W. R. East, "A Self-Steering Array for the SHARP Microwave-Powered Aircraft," *Antennas and Propagation, IEEE Transactions on*, **1992**, vol. 40, pp. 1565-1567.
- [95] M. T. Inc, "Application of high-altitude long endurance (HALE) platforms in emergency preparedness and disaster management and mitigation," Minister of Public Works and Government Services (PWGSC) in Canda, Tech. Rep., 2000. [Online]. Available: http://www.preventionweb.net/files/1873_VL102140.pdf.
- [96] B.-J. Ku, D.-S. Ahn, S.-P. Lee, A. Shishlov, A. Reutov, S. Ganin, and A. Shubov, "Radiation Pattern of Multibeam Array Antenna with Digital Beamforming for Stratospheric Communication System: Statistical Simulation," *ETRI Journal*, 2002, vol. 24, pp. 197-204.
- [97] W. L. Lim, Y. C. Foo, and R. Tafazolli, "Adaptive Softer Handover Algorithm for High Altitude Platform Station UMTS with Onboard Power Resource Sharing," in Wireless Personal Multimedia Communications, 2002. The 5th International Symposium on, 2002, pp. 52-56.
- [98] M. J. Colella, J. N. Martin, and I. F. Akyildiz, "The HALO network," *Communications Magazine, IEEE*, **2000**, vol. 38, pp. 142-148.
- [99] R. Palma-Lázgare and Delgado-Penín, "High Altitude Platform Stations in Design Solutions for Emergency Services," **2010**, pp. 26-30.
- [100] J. D. Deaton, "High Altitude Platforms for Disaster Recovery: Capabilities, Strategies, and Techniques for Emergency Telecommunications," *EURASIP Journal onWireless Communications and Networking*, May 2008, vol. 2008, pp. 1-8.
- [101] V. S. Kolate, G. I. Patil, and A. S. Bhide, "Call Admission Control Schemes and Handoff Prioritization in 3G Wireless Mobile Networks," *International Journal of Engineering and Innovative Technology (IJEIT) Vol1, Issue3*, 2012, vol. 1, pp. 92-97.

- [102] S. Kalyanasundaram, E. K. Chong, and N. B. Shroff, "An Efficient Scheme to Reduce Handoff Dropping in LEO Satellite Systems," *Wireless Networks*, 2001, vol. 7, pp. 75-85.
- [103] Y. C. Foo, W. L. Lim, and R. Tafazolli, "Centralized Downlink Call Admission Control for High Altitude Platform Station UMTS with Onboard Power Resource Sharing," in *Vehicular Technology Conference*, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th, 2002, pp. 549-553.
- [104] Y. C. Foo, W. L. Lim, and R. Tafazolli, "Centralized Total Received Power Based Call Admission Control for High Altitude Platform Station UMTS," in *Personal, Indoor and Mobile Radio Communications, 2002. The 13th IEEE International Symposium on*, **2002**, pp. 1596-1600.
- [105] K. Katzis, D. Grace, and D. A. J. Pearce, "Fixed Channel Allocation Techniques Exploiting Cell Overlap for High Altitude Platforms," *presented at European Wireless Conference, Barcelona, Spain*, **2002**.
- [106] M. Nofal, M. Hadhood, M. Dessouky, and Y. Albagory, "A Novel Cellular Structure for Stratospheric Platform Mobile Communications," in *Radio Science Conference*, 2002.(NRSC 2002). Proceedings of the Nineteenth National, 2002, pp. 354-362.
- [107] D. Grace, C. Spillard, and T. Tozer, "High Altitude Platform Resource Management Strategies with improved Connection Admission Control," in *IEEE Wireless Personal Multimedia Communications Conference* (WPMC), Yokosuka, Japan, 2003.
- [108] J. Thornton, D. Grace, M. H. Capstick, and T. C. Tozer, "Optimizing an Array of Antennas for Cellular Coverage from a High Altitude Platform," *Wireless Communications, IEEE Transactions on*, 2003, vol. 2, pp. 484-492.
- [109] S. Liu, Z. Niu, and Y. Wu, "Impact of Platform Motion on Soft Handover in High Altitude Platform IMT-2000 System," in *Vehicular Technology Conference, 2003. VTC 2003-Spring. The 57th IEEE Semiannual*, 2003, pp. 1964-1968.
- [110] F. Yu Chiann, L. Woo Lip, and R. Tafazolli, "Call Admission Control Schemes for High Altitude Platform Station and Terrestrial Tower-Based Hierarchical UMTS," in *Communications Systems*, 2004. ICCS 2004. The Ninth International Conference on, 2004, pp. 531-536.
- [111] J. Thornton and D. Grace, "Effect of Antenna Aperture Field on Co-Channel Interference, Capacity and Payload Mass in High Altitude Platform Communications," *ETRI Journal*, **2004**, vol. 26, pp. 467-474.
- [112] K. Katzis, D. A. J. Pearce, and D. Grace, "Fairness in Channel Allocation in a High Altitude Platform Communication System exploiting Cellular Overlap," in *presented at Wireless Personal Multimedia Communication Conference (WPMC), Abano Terme, Italy*, **2004**.
- [113] R. Suleesathira and S. Kunarak, "Neural Network Handoff in Shadow-Rayleigh Fading," in *IEEE International Symposium on Circuits and Systems (ISCAS 2005)*, **2005**, pp. 5146-5149.
- [114] R. Suleesathira and S. Kunarak, "Neural Network Handoff Algorithm in a Joint Terrestrial-HAPS Cellular System," *ECTI Transactions on Electrical Eng. Electronics and Communications*, **2005**, vol. 3, pp. 164-174.
- [115] K. Katzis, D. Grace, and D. A. J. Pearce, "Impact of High Altitude Platform Movements on Cellular Handover," **2005**.

- [116] K. Katzis, L. Dong, L. D. Dung, D. Grace, and P. Mitchell. (2006). *Resource Allocation and Handoff Techniques for High Altitude Platforms*.
- [117] S. Karapantazis and F. Pavlidou, "Call Admission Control in Multiservice High Altitude Platform (HAP) W-CDMA Cellular Systems," *Computor Network*, 2007, vol. 51, pp. 3491-3506.
- [118] P. Pace and E. Natalizio, "Wireless communication networks via aerial platforms: Dynamic fair power sharing admission control for UMTS real time traffic sources," in *Telecommunications and Malaysia International Conference on Communications, 2007. ICT-MICC 2007. IEEE International Conference on,* 2007, pp. 616-621.
- [119] P. Chowdhury, I. S. Misra, and S. K. Sanyal, "An Integrated Call Admission Control and Uplink Packet Scheduling Mechanism for QoS Evaluation of IEEE802.16 BWA Network," *Canadian Journal on Multimedia and Wireless Networks*, 2010, vol. 1, pp. 14-30.
- [120] S. Jindal and J. Kaur, "CAC and BDS for Maximzing The Capacity of Enhanced 3G Network," *International Journal of Engineering Science and Technology*, **2010**, vol. 2, pp. 5567-5574.
- [121] L. Shufeng, W. Lijie, D. Grace, and M. Dongtang, "Effect of Lateral Displacement of a High-Altitude Platform on Cellular Interference and Handover," *Journal of Electronics (China)*, **2011**, vol. 28, pp. 249-256.
- [122] S. A. Haque, M. R. Islam, and M. A. Hoque, "Analysis of Probability Factors for Permanent Channels in a Mobile Environment," *International Journal of Electrical, Electronics and Computer Systems (IJEECS)* 2011, vol. 3, pp. 1-6.
- [123] B. Rouzbehani, "A fuzzy Channel Allocation Technique in High Altitude Platforms for Emergency Telecommunications," in *Communication Technology (ICCT), 2011 IEEE 13th International Conference on*, **2011**, pp. 901-905.
- [124] C. Wang, W. J. Yan, and H. K. Lo, "Dynamic Admission Control and Bandwidth Reservation for IEEE 802.16e Mobile WiMAX Networks," *EURASIP Journal on Wireless Communications and Networking*, 2012, vol. 2012, pp. 1-20.
- [125] A. Bijwe and C.G.Dethe, "Vertical Handoff Algorithms Using Neural Networks," in *Proc. of the Second Intnational Conference on Advances in Computer, Electronics and Electrical Engineering - CEEE 2013*, 2013, pp. 39-42.
- [126] M. Balaji, R. Balaji, and R. Lakshminarayanan, " A contemporary Methodology for Bandwidth Reservation in Wireless Cellular Networks," *The SIJ Transactions on Computer Networks & Communication Engineering*, 2013, vol. 1, pp. 6-11.
- [127] T. M. Nguyen, T. Yim, Y. Jeon, Y. Kyung, and J. Park, "QoS-Aware Dynamic Resource Allocation for Wireless Broadband Access Networks," *EURASIP Journal onWireless Communications and Networking*, 2014, vol. 2014, pp. 1-12.
- [128] S. H. Alsamhi and N. S. Rajput, "HAP Antenna Radiation Pattern for Providing Coverage and Service Characteristics," in Advances in Computing, Communications and Informatics (ICACCI, 2014 International Conference on, 2014, pp. 1434-1439.
- [129] A. kumar and H. Purohit, "Acomparative Study of Different Type of Handoff Strategies in Cellular System," *International Journal of Advanced*

Research in Computer and Communication Engineering (IJARCCE), 2013, vol. 2, pp. 4278-4287.

- [130] S. H. Alsamhi and N. S. Rajput, "Performance and analysis of propagation models for efficient handoff in high altitude platform system to sustain QoS," in *Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference on,* **2014**, pp. 1-6.
- [131] P. Stavroulakis, "Fuzzy-Neural Applications in Handoff," in *Neuro-Fuzzy* and *Fuzzy-Neural Applications in Telecommunications*, P. Stavroulakis, Ed., ed: Springer Berlin Heidelberg, **2004**, pp. 149-234.
- [132] N. Zhang and J. M. Holtzman, "Analysis of Handoff Algorithms Using both Absolute and Relative Measurements," *Vehicular Technology, IEEE Transactions on*, **1996**, vol. 45, pp. 174-179.
- [133] C. Simmonds and M. Beach, "Network Planning Aspects of DS-CDMA with Particular Emphasis on Soft Handoff," in *Vehicular Technology Conference, 1993., 43rd IEEE*, **1993**, pp. 846-849.
- [134] M. Mouly, M.-B. Pautet, and T. Foreword By-Haug, *The GSM System for Mobile Communications*: Telecom publishing, **1992**.
- [135] M. K. Gondara and S. Kadam, "Requirements of Vertical Handoff mechanism in 4G wireless networks," arXiv preprint arXiv:1105.0043, 2011.
- [136] S. Akoush and A. Sameh, "Mobile user movement prediction using bayesian learning for neural networks," *Proc.International conference on Wireless communications and mobile computing* **2007**, pp. 191-196.
- [137] J. C. Avilés, "High Altitude Platforms for UMTS," M. Sc, Master of Science Thesis, , Tampere University of Technology, 2007.
- [138] J. Holis, D. Grace, and P. Pechac, "Effect of Antenna Power Roll-Off on the Performance of 3G Cellular Systems from High Altitude Platforms," *Aerospace and Electronic Systems, IEEE Transactions on*, **2010**, vol. 46, pp. 1468-1477.
- [139] P. K. Sharma and R. K. Singh, "Cell Coverage Area and Link Budget Calculations in GSM System," *International Journal of Modern Engineering Research (IJMER)*, 2012, vol. 2, pp. 170-176.
- [140] G. P. Pollini, "Trends in Handover Design," Communications Magazine, IEEE, 1996, vol. 34, pp. 82-90.
- [141] I. Katzela and M. Naghshineh, "Channel Assignment Schemes for Cellular Mobile Telecommunication Systems: A Comprehensive Survey," *Personal Communications, IEEE*, **1996**, vol. 3, pp. 10-31.
- [142] Z. Ming and T. S. P. Yum, "Comparisons of channel-assignment strategies in cellular mobile telephone systems," *Vehicular Technology, IEEE Transactions on*, **1989**, vol. 38, pp. 211-215.
- [143] T. Jun and K. Imamura, "A strategy for flexible channel assignment in mobile communication systems," *Vehicular Technology, IEEE Transactions on*, **1988**, vol. 37, pp. 92-103.
- [144] D. C. Cox and D. O. Reudink, "Increasing Channel Occupancy in Large-Scale Mobile Radio Systems: Dynamic Channel REassignment," *Communications, IEEE Transactions on,* **1973**, vol. 21, pp. 1302-1306.
- [145] D. Zhang, D. Zhang, H. Xiong, L. T. Yang, and V. Gauthier, "NextCell: Predicting Location Using Social Interplay from Cell Phone Traces," *Computers, IEEE Transactions on*, **2015**, vol. 64, pp. 452-463.

- [146] P. Taaghol, A. K. Salkintzis, and J. Iyer, "Seamless Integration of Mobile WiMAX in 3GPP Networks," *Communications Magazine*, *IEEE*, 2008, vol. 46, pp. 74-85.
- [147] N. Nasser, A. Hasswa, and H. Hassanein, "Handoffs in Fourth Generation Heterogeneous Networks," *Communications Magazine*, *IEEE*, **2006**, vol. 44, pp. 96-103.
- [148] F. Kaleem, "VHITS: Vertical Handoff Initiation and Target Selection in a Heterogeneous Wireless Network," **2012**.
- [149] J.-S. Kim, E. Serpedin, D.-R. Shin, and K. Qaraq, "Handoff Triggering and Network Selection Algorithms for Load-Balancing Handoff in CDMA-WLAN Integrated Networks," *EURASIP Journal on Wireless Communications and Networking*, **2008**, vol. 2008, pp. 1-14.
- [150] M. Saini and S. mann, "Handoff Schemes for Vehicular Ad-Hoc Networks: A Survey," *International Journal of Innovations in Engineering and Technology* **2010**, pp. 86-91.
- [151] J. Zander, S.-L. Kim, M. Almgren, and O. Queseth, *Radio Resource Management for Wireless Networks*: Artech House, Inc., **2001**.
- [152] G. Corazza, D. Giancristofaro, and F. Santucci, "Characterization of Handover Initialization in Cellular Mobile Radio Networks," *in Proc. 44th IEEE VTC*, **1994**, pp. 1872-1869.
- [153] P. Jong-Min, K. Bon-Jun, K. Yang-Su, and A. Do-Seob, "Technology Development for Wireless Communications System Using Stratospheric Platform in Korea," in *Personal, Indoor and Mobile Radio Communications, 2002. The 13th IEEE International Symposium on*, 2002, pp. 1577-1581.
- [154] S. Karapantazis and F. Pavlidou, "Broadband communications via highaltitude platforms: A survey," *Communications Surveys & Tutorials, IEEE*, **2005**, vol. 7, pp. 2-31.
- [155] R. I.-R. M.1457, "Detailed Specifications of the Radio Interfaces of International Mobile Telecommunications-2000 (IMT-2000)," **2000-2001**.
- [156] Z. Yang, A. Mohammed, T. Hult, and D. Grace, "Downlink Coexistence Performance Assessment and Techniques for WiMAX Services from High Altitude Platform and Terrestrial Deployments," *EURASIP Journal onWireless Communications and Networking*, 2008, vol. 2008.
- [157] Z. Yang, David Grace, and P. D. Mitchell, "Downlink performance of WiMAX broadband from high altitude platform and terrestrial deployments sharing a common 3.5 GHz band " *Proceedings of the IST Mobile and Wireless Communications Summit,* 2005.
- [158] L. F. Abdulrazak, T. Abd Rahman, S. K. Abdul Rahim, and M. Yousif, "Study HAPS Interference Power to Noise Level Ratio of Fixed Services and Related Separation Distance," in *Information Sciences Signal Processing and their Applications (ISSPA), 2010 10th International Conference on,* **2010**, pp. 690-693.
- [159] D. Sharma and R. Singh, "The Effect of Path Loss on Qos at NPL," *International Journal of Engineering Science and Technology*, 2010, vol. 2, pp. 3018-3023.
- [160] G. P. Yost and S. Panchapakesan, "Improvement in Estimation of Time of Arrival (TOA) from Timing Advance (TA)," in Universal Personal Communications, 1998. ICUPC '98. IEEE 1998 International Conference on, 1998, pp. 1367-1372 vol.2.

- [161] H. Xiong, D. Zhang, D. Zhang, and V. Gauthier, "Predicting Mobile Phone User Locations by Exploiting Collective Behavioral Patterns," in Ubiquitous Intelligence & Computing and 9th International Conference on Autonomic & Trusted Computing (UIC/ATC), 2012 9th International Conference on, 2012, pp. 164-171.
- [162] D. Zhang, A. V. Vasilakos, and H. Xiong, "Predicting Location Using Mobile Phone Calls," ACM SIGCOMM Computer Communication Review, 2012, vol. 42, pp. 295-296.
- [163] T. Kanai and Y. Furuya, "A Handoff Control Process for Microcellular Systems," in *Vehicular Technology Conference*, 1988, IEEE 38th, 1988, pp. 170-175.
- [164] S. Haykin, *Neural Networks: A Comprehensive Foundation.*, 2 ed. United States of America: Tom Robbins, **1999**.
- [165] N. D. Tripathi, J. H. Reed, and H. F. Van Landingham, "Pattern Classification Based Handoff Using Fuzzy Logic and Neural Nets," in *Communications, 1998. ICC 98. Conference Record. 1998 IEEE International Conference on*, **1998**, pp. 1733-1737.
- [166] W. W. H. Yu and H. Changhua, "Resource Reservation in Wireless Networks Based on Pattern Recognition," in *Neural Networks*, 2001. *Proceedings. IJCNN '01. International Joint Conference on*, 2001, pp. 2264-2269.
- [167] R. Narasimhan and D. C. Cox, "A Handoff Algorithm for Wireless Systems Using Pattern Recognition," in *Personal, Indoor and Mobile Radio Communications, 1998. The Ninth IEEE International Symposium* on, **1998**, pp. 335-339.
- [168] E. Nelson and R. v. d. Dam, "Telco 2015 Five Telling Years, Four Future Scenarios " *Executive report: IBM Global Business Services*, 2015, vol. IBM Institute for business, pp. 1-36.
- [169] S. Kim and P. K. Varshney, "An Integrated Adaptive Bandwidth-Management Framework for QoS-Sensitive Multimedia Cellular Networks," *IEEE Transaction on Vehicular Technology*, 2004, vol. 53, pp. 835-845.
- [170] C.-T. Chou and K. G. Shin, "Analysis of Adaptive Bandwidth Allocation in Wireless Networks with Multilevel Degradable Quality of Service," *IEEE Transactions on Mobile Computing*, **2004**, vol. 3, pp. 5-17.
- [171] B. Blaszczyszyn and M. K. Karray, "What Frequency Bandwidth to Run Cellular Network in a Given Country? a Downlink Dimensioning Problem," **2014**, pp. 1-7.
- [172] A. kumar and H. Purohit, "A Comparative Study of Different Types of Handoff Strategies in Cellular Systems," *International Journal of Advanced Research in Computer and Communication Engineering* 2013, vol. 2, pp. 4278-4287.
- [173] Z. Liqiang, Y. Jiangtao, F. Adachi, Z. Chi, and Z. Hailin, "Radio Resource Allocation for Low-Medium-Altitude Aerial Platform Based TD-LTE Networks against Disaster," in *Vehicular Technology Conference (VTC Spring)*, 2012 IEEE 75th, 2012, pp. 1-5.
- [174] M. Mishra and P. Saxena, "Survey of Channel Allocation Algorithms Research for Cellular Systems," *International Journal of Networks and Communications*, **2012**, vol. 2, pp. 75-104.

- [175] R. E. Ahmed, "A Hybrid Channel Allocation Algorithm using Hot-Spot Notification for Wireless Cellular Networks," in *Electrical and Computer Engineering*, 2006. CCECE'06. Canadian Conference on, 2006, pp. 891-894.
- [176] S. Gayathri and R. Sabitha, "A Survey on Resource Allocation in OFDMA Wireless Networks," *International Journal of Computer Applications* 2014, pp. 18-22.
- [177] A. Sharma, S. Konai, and U. Bhattacharya, "New Call and Handoff Call Management Scheme for Reuse Partitioning Based Cellular Systems," in Recent Advances and Innovations in Engineering (ICRAIE), 2014, 2014, pp. 1-7.
- [178] M. S. Pankaj and S. S. Sambare, "Survey of Call Blocking Probability Reducing Techniques in Cellular Networks," *International Journal of Scientific and Research Publications*, 2012, vol. 2, pp. 1-6.
- [179] E. E. W. a. D. E. Asuquo, "An Efficient Model for Reducing Soft Blocking Propability in Wireless Cellular Networks," *International Journal of Wireless & Mobile Networks (IJWMN)* 2014, vol. 6, pp. 85-99.
- [180] A. Hasib and A. Fapojuwo, "Analysis of Common Radio Resource Management Scheme for End-to-End QoS Support in Multiservice Heterogeneous Wireless Networks," *Vehicular Technology, IEEE Transactions on*, 2008, vol. 57, pp. 2426-2439.
- [181] S. A. Haque, M. R. Islam, and M. A. Hoque, "Analysis of Probability Factors for Permanent Channels in a Mobile Environment," *International Journal of Electrical, Electronics and Computer Systems (IJEECS)*, 2011, vol. 3, pp. 1-6.
- [182] L. Ortigoza-Guerrero and A. H. Aghvami, "A Prioritized Handoff Dynamic Channel Allocation Strategy for PCS," *Vehicular Technology*, *IEEE Transactions on*, **1999**, vol. 48, pp. 1203-1215.
- [183] D. Grace, C. Spillard, J. Thornton, and T. C. Tozer, "Channel assignment strategies for a high altitude platform spot-beam architecture," in *PIMRC*, **2002**, pp. 1586-1590.
- [184] M. P. Mishra and P. C. Saxena, "Issues, Challenges and Problems in Channel Allocation in Cellular System " *International Conference on Computer & Communication Technology (ICCCT)*, **2011**, pp. 321-328.
- [185] X. Lagrange and B. Jabbari, "Fairness in Wireless Microcellular Networks," *Vehicular Technology, IEEE Transactions on*, **1998**, vol. 47, pp. 472-479.
- [186] M. Ghaderi, R. Boutaba, and G. Kenward, "Stochastic Admission Control for Quality of Service in Wireless Packet Networks," in *NETWORKING* 2005. Networking Technologies, Services, and Protocols; Performance of Computer and Communication Networks; Mobile and Wireless Communications Systems. vol. 3462, R. Boutaba, K. Almeroth, R. Puigjaner, S. Shen, and J. Black, Eds., ed: Springer Berlin Heidelberg, 2005, pp. 1309-1320.
- [187] D. Zhang, Z. Yang, V. Raychoudhury, Z. Chen, and J. Lloret, "An Energy-Efficient Routing Protocol Using Movement Trends in Vehicular ad hoc Networks," *The Computer Journal*, **2013**, vol. 56, pp. 938-946.
- [188] D. Zhang, D. Zhang, H. Xiong, L. T. Yang, and V. Gauthier, "NextCell: Predicting Location Using Social Interplay from Cell PhoneTraces," *Computers, IEEE Transactions on*, **2015**, vol. 64, pp. 452-463.

- [189] D. Zhang, M. Chen, M. Guizani, H. Xiong, and D. Zhang, "Mobility Prediction in Telecom Cloud Using Mobile Calls," *Wireless Communications, IEEE*, 2014, vol. 21, pp. 26-32.
- [190] S. K. Satyanarayana, C. Satyanarayana, and V. Raju, "Call Admission Control Algorithm for Wireless Multimedia Networks," *International Journal of Engineering Research*, 2014, vol. 3, pp. 30-35.
- [191] I. Hsieh and S. J. Kao, "Handoff optimization in 802.11 wireless networks," *EURASIP Journal on Wireless Communications and Networking*, **2011**, vol. 2011, pp. 1-16.
- [192] S. S. Palve, "Call Admission Control based on SFR in 4G Technology," International Journal of Advanced Research in Computer Science and Software Engineering, **2014**, vol. 4, pp. 772-280.
- [193] P. Pace and G. Aloi, "Effective Admission Policy for Multimedia Traffic Connections over Satellite DVB-RCS Network," *ETRI Journal*, 2006, vol. 28, pp. 593-606.
- [194] A. Mahmood, "Algorithm-architecture co-optimization of bit-loading algorithm for delay constrained adaptive wireless systems," presented at the Proceedings of the 5th International Conference on Wireless communications, networking and mobile computing, Beijing, China, **2009**.
- [195] S. Jindal and J. Kaur, "CAC and BDS for Maximumzing The Capacity of Enhanced 3G Nework," *International Journal of Engineering Science and Technology*, **2010**, vol. 2, pp. 5567-5574.
- [196] G. Chu, D. Wang, and S. Mei, "A QoS architecture for the MAC protocol of IEEE 802.16 BWA system," *in Proceedings of the IEEE International Conference on Communications, Circuits and Systems and West Sino Expositions, Chengdu, China, June 2002.*
- [197] X. Kaixin, K. Tang, R. Bagrodia, M. Gerla, and M. Bereschinsky, "Adaptive bandwidth management and QoS provisioning in large scale ad hoc networks," in *Military Communications Conference, 2003. MILCOM* '03. 2003 IEEE, 2003, pp. 1018-1023 Vol.2.
- [198] D. D. Luong, A. P. Tran, and T. V. Do, "Guard Channel CAC Algorithm for High Altitude Platform Networks," in *The fourth international working conference on performance modeling and evaluation of heterogeneous networks* (*HET-NETs-2006*), **2006**, pp. 1-22.
- [199] S. Kalikivayi, I. S. Misra, and K. Saha, "Bandwidth and Delay Guaranteed Call Admission Control Scheme for QOS Provisioning in IEEE 802.16 e Mobile WiMAX," in *Global Telecommunications Conference, 2008. IEEE GLOBECOM 2008. IEEE*, **2008**, pp. 1-6.
- [200] H. Wang, W. Li, and D. P. Agrawal, "Dynamic Admission Control and QoS for 802.16 Wireless MAN," in Wireless Telecommunications Symposium, 2005, 2005, pp. 60-66.
- [201] A. Antonopoulos and C. Verikoukis, "Traffic-Aware Connection Admission Control Scheme for Broadband Mobile Systems," *Communications Letters, IEEE*, **2010**, vol. 14, pp. 719-721.
- [202] V. S. Kolate, G. I. Patil, and A. S. Bhide, "Call Admission Control Schemes and Handoff Prioritization in 3G Wireless Mobile Networks " *International Journal of Engineering and Innovative Technology*, 2012, vol. 1, pp. 92-104.
- [203] G. S. N. Dimitriou, R. Tafazolli, "Quality of service for multimedia CDMA," *IEEE Communications Magazine*, **2000**, pp. 88-94.

- [204] Z. Pándi, T. Van, and C. KIRÁLY, "Planning of UMTS Networks Containing Stratospheric Platforms," *interface*, vol. 1, p. 3G.
- [205] R. Chen, O. Yilmaz, and I.-L. Yen, "Admission Control Algorithms for Revenue Optimization with QoS Guarantees in Mobile Wireless Networks," *Wireless Personal Communications*, 2006, vol. 38, pp. 357-376.
- [206] S. B. Chaudhry and R. K. Guha, "Adaptive Connection Admission Control and Packet Scheduling for QoS Provisioning in Mobile WiMAX," presented at the Proc. of IEEE International Conference on Signal Processing and Communication (ICSPC), Dubai, United Arab Emirates, 2007.
- [207] P. Chowdhury, I. S. Misra, and S. K. Sanyal, "An Integrated Call Admission Control and Uplink Packet Scheduling Mechanism for QoS Evaluation of IEEE 802.16 BWA Networks," *Canadian Journal on Multimedia and Wireless Networks*, 2010, vol. 1, pp. 14-30.
- [208] M. Z. Chowdhurya, Y. M. Janga, and Z. J. Haasb, "Call Admission Control based on Adaptive Bandwidth Allocation for Wireless Networks," *Journal of Communication and Networks*, 2014 vol. 15, pp. 15-23.
- [209] K. Wongthavarawatny and A. Ganzz, "Packet Scheduling for QoS Support in IEEE 802.16 Broadband Wireless Access Systems," *International Journal of Communication Systems*, 2003, vol. 16, pp. 81–96.
- [210] W. Haitang, W. Li, and D. P. Agrawal, "Dynamic Admission Control and QoS for 802.16 Wireless MAN," in *Wireless Telecommunications Symposium*, 2005, pp. 60-66.
- [211] Z. Qing-An and D. P. Agrawal, "Modeling and Efficient Handling of Handoffs in Integrated Wireless Mobile Networks," *Vehicular Technology, IEEE Transactions on*, **2002**, vol. 51, pp. 1469-1478.