

-
- [191] W. C. Lee, *Mobile Cellular Telecommunication*. New York: McGraw-Hill, 1995.
- [192] S. Al-Rubaye, A. Al-Dulaimi, J. Cosmas, and A. Anpalagan, "Call admission control for non-standalone 5G ultra-dense networks," *IEEE Communications Letters*, vol. 22, no. 5, pp. 1058–1061, 2018.
- [193] B. B. Madan, S. Dharmaraja, and K. S. Trivedi, "Combined guard channel and mobile-assisted handoff for cellular networks," *IEEE Transactions on Vehicular Technology*, vol. 57, no. 1, pp. 502–510, 2008.
- [194] C. Ujarari and A. Kumar, "Handoff schemes and its performance analysis of priority within a particular channel in wireless systems," *International Journal for Research in Applied Science and Engineering Technology*, vol. 3, no. 5, pp. 1021–1026, 2015.
- [195] M. Jain and R. Mittal, "Call admission control for soft handoff coverage in CDMA cellular system," *International Journal of Wireless Information Networks*, vol. 22, no. 1, pp. 53–66, 2015.
- [196] V. Abdulova and I. Aybay, "Performance evaluation of call admission control schemes with new call reattempts in wireless cellular networks," *Wireless Personal Communications*, vol. 84, no. 4, pp. 2859–2879, 2015.
- [197] V. Goswami and P. Swain, "Analytical modeling for handling poor signal quality calls in cellular network," *International Journal of Networks and Communications*, vol. 2, no. 4, pp. 47–54, 2012.
- [198] F. A. Cruz-Pérez, D. Lara-Rodríguez, and M. Lara, "Fractional channel reservation in mobile communication systems," *Electronics Letters*, vol. 35, no. 23, pp. 2000–2002, 1999.
- [199] D. Tung, C. Wong, J. Mark, and K. C. Chua, "Two-level fractional guard channels for priority access in cellular systems," in *Proceedings of the IEEE 63rd Vehicular Technology Conference*, vol. 1, pp. 383–387, IEEE, 2006.

- [200] J. D. Little and S. C. Graves, *Little's Law*. Boston: Springer, 2008.
- [201] H. Beigy and M. R. Meybodi, "Adaptive uniform fractional channel algorithms," *Iranian Journal of Electrical and Computer Engineering*, vol. 3, pp. 47–53, 2004.
- [202] H. Beigy and M. R. Meybodi, "A new fractional channel policy," *Journal of High Speed Networks*, vol. 13, no. 1, pp. 25–36, 2004.
- [203] A. Samba, Y. Busnel, A. Blanc, P. Dooze, and G. Simon, "Instantaneous throughput prediction in cellular networks: Which information is needed?," in *Proceedings of the IFIP/IEEE Symposium on Integrated Network and Service Management (IM)*, pp. 624–627, IEEE, 2017.
- [204] S. M. Kay, *Fundamentals of Statistical Signal Processing: Detection Theory*, vol. 2. Upper Saddle River, New Jersey: Prentice Hall, 1998.
- [205] H. Kim and K. G. Shin, "In-band spectrum sensing in cognitive radio networks: Energy detection or feature detection?," in *Proceedings of the 14th ACM International Conference on Mobile Computing and Networking*, pp. 14–25, ACM, 2008.
- [206] S. Maleki, A. Pandharipande, and G. Leus, "Energy-efficient distributed spectrum sensing for cognitive sensor networks," *IEEE Sensors Journal*, vol. 11, no. 3, pp. 565–573, 2010.
- [207] T. Yucek and H. Arslan, "A survey of spectrum sensing algorithms for cognitive radio applications," *IEEE Communications Surveys & Tutorials*, vol. 11, no. 1, pp. 116–130, 2009.
- [208] J. Heo, H. Ju, S. Park, E. Kim, and D. Hong, "Simultaneous sensing and transmission in cognitive radio," *IEEE Transactions on Wireless Communications*, vol. 13, no. 4, pp. 1948–1959, 2014.

- [209] D.-J. Lee and M.-S. Jang, "Optimal spectrum sensing time considering spectrum handoff due to false alarm in cognitive radio networks," *IEEE Communications Letters*, vol. 13, no. 12, pp. 899–901, 2009.
- [210] I. M. Suliman, J. Lehtomäki, and K. Umebayashi, "On the effect of false alarm rate on the performance of cognitive radio networks," *EURASIP Journal on Wireless Communications and Networking*, vol. 2015, Article ID 244, no. 1, pp. 1–17, 2015.
- [211] R. Zhang, Y.-C. Liang, and S. Cui, "Dynamic resource allocation in cognitive radio networks," *IEEE Signal Processing Magazine*, vol. 27, no. 3, pp. 102–114, 2010.
- [212] M. Song, C. Xin, Y. Zhao, and X. Cheng, "Dynamic spectrum access: From cognitive radio to network radio," *IEEE Wireless Communications*, vol. 19, no. 1, pp. 23–29, 2012.
- [213] D.-J. Lee and W.-Y. Yeo, "Channel availability analysis of spectrum handoff in cognitive radio networks," *IEEE Communications Letters*, vol. 19, no. 3, pp. 435–438, 2015.
- [214] H. Kim and K. G. Shin, "Efficient discovery of spectrum opportunities with MAC-layer sensing in cognitive radio networks," *IEEE Transactions on Mobile Computing*, vol. 7, no. 5, pp. 533–545, 2008.
- [215] Y.-C. Liang, Y. Zeng, E. C. Peh, and A. T. Hoang, "Sensing-throughput tradeoff for cognitive radio networks," *IEEE Transactions on Wireless Communications*, vol. 7, no. 4, pp. 1326–1337, 2008.
- [216] A. A. El-Sherif and K. R. Liu, "Joint design of spectrum sensing and channel access in cognitive radio networks," *IEEE Transactions on Wireless Communications*, vol. 10, no. 6, pp. 1743–1753, 2011.
- [217] P. Thakur, A. Kumar, S. Pandit, G. Singh, and S. Satashia, "Analysis of high-traffic cognitive radio network with imperfect spectrum monitoring technique," *Computer Networks*, vol. 147, pp. 27–37, 2018.

- [218] Y. Liao, T. Wang, L. Song, and Z. Han, "Listen-and-talk: Full-duplex cognitive radio networks," in *Proceedings of the IEEE Global Communications Conference (GLOBECOM)*, pp. 3068–3073, IEEE, 2014.
- [219] M. P. Chang, P. R. Prucnal, and Y. Deng, "Optical self-interference cancellation system for improved spectrum sensing in cognitive radios," in *Proceedings of the IEEE 15th International Conference on Environment and Electrical Engineering*, pp. 188–191, IEEE, 2015.
- [220] S. Tang and Y. Xie, "Performance analysis of unreliable sensing for an opportunistic spectrum sharing system," *International Journal of Communication Networks and Information Security*, vol. 3, no. 3, pp. 240–246, 2011.
- [221] S. Tang, R. Yu, X. Chen, C. Tang, and Y. Xie, "Impact of sensing errors on the performance of an unreliable opportunistic spectrum sharing system," *International Journal of Wireless and Mobile Computing*, vol. 10, no. 3, pp. 197–204, 2016.
- [222] F. Palunčić, A. S. Alfa, B. T. Maharaj, and H. M. Tsimba, "Queueing models for cognitive radio networks: A survey," *IEEE Access*, vol. 6, pp. 50801–50823, 2018.
- [223] T. M. C. Chu, H. Phan, and H.-J. Zepernick, "Dynamic spectrum access for cognitive radio networks with prioritized traffics," *IEEE Communications Letters*, vol. 18, no. 7, pp. 1218–1221, 2014.
- [224] Y. Zhao, S. Jin, and W. Yue, "Performance optimization of a dynamic channel bonding strategy in cognitive radio networks," *Pacific Journal of Optimization*, vol. 9, no. 4, pp. 679–696, 2013.
- [225] M. A. Kalil, H. Al-Mahdi, H. Hammam, and I. A. Saroit, "A buffering and switching scheme for admission control in cognitive radio networks," *IEEE Wireless Communications Letters*, vol. 6, no. 3, pp. 358–361, 2017.

- [226] Y. Zhao, S. Jin, and W. Yue, "A novel spectrum access strategy with α -retry policy in cognitive radio networks: A queueing-based analysis," *Journal of Communications and Networks*, vol. 16, no. 2, pp. 193–201, 2014.
- [227] I. A. Balapuwaduge, L. Jiao, V. Pla, and F. Y. Li, "Channel assembling with priority-based queues in cognitive radio networks: Strategies and performance evaluation," *IEEE Transactions on Wireless Communications*, vol. 13, no. 2, pp. 630–645, 2013.
- [228] C. P. T. Hong, Y. Lee, and I. Koo, "Spectrum sharing with buffering in cognitive radio networks," in *Proceedings of the Asian Conference on Intelligent Information and Database Systems*, pp. 261–270, Springer, 2010.
- [229] Y. Zhao, M. Song, and C. Xin, "Delay analysis for cognitive radio networks supporting heterogeneous traffic," in *Proceedings of the 8th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks*, pp. 215–223, IEEE, 2011.
- [230] S. L. Castellanos-Lopez, F. A. Cruz-Pérez, G. Hernandez-Valdez, and M. E. Rivero-Angeles, "Analysis and performance evaluation of resource management mechanisms in heterogeneous traffic cognitive radio networks," *EURASIP Journal on Wireless Communications and Networking*, vol. 2017, Article ID 218, no. 1, pp. 1–18, 2017.
- [231] R. G. Gallager, *Discrete Stochastic Processes*. Boston: Kluwer Academic, 2012.
- [232] G. Ciardo, A. S. Miner, M. Wan, and A. J. Yu, "Approximating stationary measures of structured continuous-time Markov models using matrix diagrams," *ACM SIGMETRICS Performance Evaluation Review*, vol. 35, no. 3, pp. 16–18, 2007.
- [233] I. M. Suliman, J. J. Lehtomäki, K. Umebayashi, and M. Katz, "Analysis of cognitive radio networks with imperfect sensing," *IFICE Transactions on Communications*, vol. 96, no. 6, pp. 1605–1615, 2013.



This document was created with the Win2PDF "print to PDF" printer available at <http://www.win2pdf.com>

This version of Win2PDF 10 is for evaluation and non-commercial use only.

This page will not be added after purchasing Win2PDF.

<http://www.win2pdf.com/purchase/>