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- [156] X. Liu et al., "UAV Coverage for Downlink in Disasters: Precoding and Multi-hop D2D," 2018 IEEE/CIC International Conference on Communications in China (ICCC), Beijing, China, 2018, pp. 341-346, doi: 10.1109/ICCCChina.2018.8641260.
- [157] C. Wei, "A SINR-Based Synchronization Protocol for D2D Communications in Public Safety," in *IEEE Access*, vol. 7, pp. 15113-15124, 2019, doi: 10.1109/ACCESS.2019.2893629.
- [158] K. Ali, H. X. Nguyen, Q. Vien, P. Shah and Z. Chu, "Disaster Management Using D2D Communication With Power Transfer and Clustering Techniques," in *IEEE Access*, vol. 6, pp. 14643-14654, 2018, doi: 10.1109/ACCESS.2018.2793532.
- [159] Z. Chu et al., "D2D cooperative communications for disaster management," 2017 24th International Conference on Telecommunications (ICT), Limassol, 2017, pp. 1-5, doi: 10.1109/ICT.2017.7998227.
- [160] G. Huang, J. Hu, S. Pan, Y. Zhang, H. Han and G. Zhang, "D2D relaying based multicast service in Public Safety Networks," 2016 35th Chinese Control Conference (CCC), Chengdu, 2016, pp. 6923-6927, doi: 10.1109/ChiCC.2016.7554448.
- [161] J. S. Kim, J. Gu, M. Y. Chung and J. S. Hong, "A novel medium access scheme for cluster based Device-to-Device broadcast communications," 2015 International Conference on Information Networking (ICOIN), Cambodia, 2015, pp. 397-401, doi: 10.1109/ICOIN.2015.7057925.
- [162] A. Sofwan, "Performance analysis of MAC protocol for resource sharing D2D and M2M in unlicensed channel," 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICI-TACEE), Semarang, 2016, pp. 397-402, doi: 10.1109/ICI-TACEE.2016.7892479.
- [163] S. N. Swain, R. Thakur and S. R. M. Chebiyyam, "Coverage and Rate Analysis for Facilitating Machine-to-Machine Communication in LTE-A Networks Using Device-to-Device Communication," in *IEEE Transactions on Mobile Computing*, vol. 16, no. 11, pp. 3014-3027, 1 Nov. 2017, doi: 10.1109/TMC.2017.2684162.
- [164] S. Hamdoun, A. Rachedi, H. Tembine and Y. Ghamri-Doudane, "Efficient transmission strategy selection algorithm for M2M communications: An evolutionary game approach," 2016 IEEE 15th International Symposium on Network Computing and Applications (NCA), Cambridge, MA, 2016, pp. 286-293, doi: 10.1109/NCA.2016.7778632.
- [165] J. Shang, L. Gui, H. Zhou, M. Dong and J. Chen, "A group-based M2M multiple access scheme in massive MIMO MU-SCMA cellular networks," 2016 8th International Conference on Wireless Communications & Signal Processing (WCSP), Yangzhou, 2016, pp. 1-6, doi: 10.1109/WCSP.2016.7752657.
- [166] B. Panigrahi, H. K. Rath, R. Ramamohan and A. Simha, "Energy and spectral efficient direct Machine-to-Machine (M2M) communication for cellular Internet of Things (IoT) networks," 2016 International Conference on Internet of Things and Applications (IOTA), Pune, 2016, pp. 337-342, doi: 10.1109/IOTA.2016.7562748.
- [167] S. Hamdoun, A. Rachedi and Y. Ghamri-Doudane, "Radio Resource Sharing for MTC in LTE-A: An Interference-Aware Bipartite Graph Approach," 2015 IEEE Global Communications Conference (GLOBECOM), San Diego, CA, 2015, pp. 1-7, doi: 10.1109/GLOBECOM.2015.7417719.
- [168] G. Rigazzi, N. K. Pratas, P. Popovski and R. Fantacci, "Aggregation and trunking of M2M traffic via D2D connections," 2015 IEEE International Conference on Communications (ICC), London, 2015, pp. 2973-2978, doi: 10.1109/ICC.2015.7248779.
- [169] G. Rigazzi, F. Chiti, R. Fantacci and C. Carlini, "Multi-hop D2D networking and resource management scheme for M2M communications over LTE-A systems," 2014 International Wireless Communications and Mobile Computing Conference (IWCMC), Nicosia, 2014, pp. 973-978, doi: 10.1109/IWCMC.2014.6906487.
- [170] M. Haus, M. Waqas, A. Y. Ding, Y. Li, S. Tarkoma and J. Ott, "Security and Privacy in Device-to-Device (D2D) Communication: A Review," in *IEEE Communications Surveys & Tutorials*, vol. 19, no. 2, pp. 1054-1079, Secondquarter 2017, doi: 10.1109/COMST.2017.2649687.
- [171] R. T. V and K. M, "A Survey on Device to Device Communications," 2022 International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-6, doi: 10.1109/ICONAT53423.2022.9725869.
- [172] Malik, P.K., Wadhwa, D.S. and Khinda, J.S. A Survey of Device to Device and Cooperative Communication for the Future Cellular Networks. *Int J Wireless Inf Networks* 27, 411-432 (2020). <https://doi.org/10.1007/s10776-020-00482-8>