

REFERENSI

- [1] E. Yaacoub, L. Al-Kanj, Z. Dawy, S. Sharafeddine, F. Filali and A. Abu-Dayya, "A Nash Bargaining Solution for Energy-Efficient Content Distribution over Wireless Networks with Mobile-to-Mobile Cooperation," 2011.
- [2] E. Yaacoub, H. Ghazzai, M.-S. Alouini and A. Abu-Dayya, "Achieving Energy Efficiency in LTE with Joint D2D Communications and Green Networking Techniques," 2013.
- [3] D. Sabella, A. D. Domenico, E. Katranaras, M. A. Imran, M. D. Girolamo, U. Salim, M. Lalam, K. Samdanis and A. Maeder, "Energy Efficiency Benefits of RAN-as-a-Service Concept for a Cloud-Based 5G Mobile Network Infrastructure," *IEEE Access*, vol. 2, pp. 1586-1597, 2014.
- [4] Z. Hasan, H. Boostanimehr and V. K. Bhargava, "Green Cellular Networks: A Survey, Some Research Issues and Challenges," *IEEE Communications Surveys and Tutorials*, vol. 13, 2011.
- [5] K. Doppler, "Device-to-Device Communication as an Underlay to LTE-Advanced Networks," *IEEE Communications Magazine*, 2009.
- [6] M. Luby, "Broadcast Delivery of Multimedia Content to Mobile Users," Qualcomm, 2012.
- [7] N. AbuAli, "Enabling Technologies of Energy Efficient Cooperative M2M Networks: Benefits and Challenges," in *13th Annual IEEE Workshop on Wireless Local Networks*, 2013.
- [8] E. Yaacoub and O. Kubbar, "Energy-Efficient Device-to-Device Communications in LTE Public Safety Networks," *Globecom Workshops 2012 (International Workshop on Green Internet of Things)*, Anaheim, CA, USA, 2012.
- [9] B. Narottama, A. Fahmi and B. Syihabuddin, "Analysis of Different Number of Devices Per Cluster and Data Rate in Clustering Method on Device-to-Device Communication," 2015.
- [10] F. Boccardi, R. W. H. Jr., A. Lozano, T. L. Marzetta and P. Popovski, "Five Disruptive Technology Directions for 5G," *IEEE Communications Magazine*, pp. 74-80, February 2014.
- [11] L. M. Correia, "Challenges and Enabling Technologies for Energy Aware Mobile Radio Networks," *IEEE Communications Magazine*, 2010.
- [12] 3. G. P. P. (3GPP), "3GPP TR 25.814 3GPP TSG RAN Physical Layer Aspects For Evolved UTRA, v7.1.0," 2006.
- [13] 3. G. P. P. (3GPP), "3GPP TS 36.211 3GPP TSG RAN Evolved Universal Terrestrial Radio Access (E-UTRA) Physical Channels and Modulation, version 8.3.0, Release 8," 2008.

- [14] A. Goldsmith, "Wireless Communications," 2004.
- [15] A. Kumar, Y. Liu, J. Sengupta and Divya, "Evolution of Mobile Wireless Communication Networks: 1G to 4G," *International Journal of Electronics & Communication Technology*, 2010.
- [16] M. J. Arshad, A. Farooq and A. Shah, "Evolution and Development Towards 4th Generation (4G) Mobile Communication Systems," *Journal of American Science*, 2010.
- [17] J. Wannstrom, "LTE-Advanced," 2012.
- [18] I. F. Akyildiz, D. M. Gutierrez-Estevez and E. C. Reyes, "The evolution to 4G cellular systems: LTE-Advanced," *Physical Communication* 3, 2010.
- [19] Q. W. a. V. M. Arash Asadi, "A Survey on Device-to-Device Communication in Cellular Networks," *IEEE COMMUNICATION SURVEYS & TUTORIALS*, vol. 16, no. 4, pp. 1801-1819, 2014.
- [20] S. Wen, X. Zhu, Z. Lin, X. Zhang and D. Yang, "Energy Efficient Power Allocation Schemes for Device-to-Device(D2D) Communication," 2013.
- [21] P. Pahlavan, M. Hundebøll, M. V. Pedersen, D. Lucani, H. Charaf, F. H. P. Fitzek, H. Bagheri and M. Katz, "Novel Concepts for Device-to-Device Communication Using Network Coding".
- [22] A. Osseiran, F. Boccardi, V. Braun, K. Kusume, P. Marsch, M. Maternia, O. Queseth, M. Schellmann, H. Schotten, H. Taoka, H. Tullberg, M. A. Uusitalo, B. Timus and M. Fallgren, "Scenarios for the 5G Mobile and Wireless Communications: the Vision of the METIS Project".
- [23] 3GPP, "Feasibility Study for Proximity Services (ProSe) (Release 12)," *3GPP TR 22.803 v. 12.2.0*, Juny Jun. 2012.
- [24] 3GPP, "Study on Architecture Enhancements to Support Proximity Services (ProSe) (Release 12)," *3GPP TR 23.703*, Sophia-Antipolis, France, Dec. 2013.
- [25] X. Wu, S. Tavildar, S. Shakkottai, T. Richardson, J. Li, R. Laroia and A. Jovicic, "FlashLinQ: A synchronous distributed scheduler for peer-to-peer ad hoc networks," *Communication, Control, and Computing (Allerton)*, 2010 *48th Annual Allerton Conference on*, pp. 514-512, 2010.
- [26] D. Feng, L. Lu, Y. Yuan-Wu, G. Y. Li, S. Li and G. Feng, "Device-to-Device Communications in Cellular Networks," *IEEE Communications Magazine*, pp. 49-55, April 2014.
- [27] X. Lin, J. G. Andrews, A. Ghosh and R. Ratasuk, "An Overview on 3GPP Device to Device Proximity Services," 2013.
- [28] 3GPP. [Online]. Available: <http://www.3gpp.org/Release-12>.

- [29] Y. Cao, T. Jiang and C. Wang, "Cooperative Device-To-Device Communications In Cellular Networks," *IEEE Wireless Communications*, pp. 124-129, June 2015.
- [30] M. Jo, T. Maksymyuk, B. Strykhalyuk and C.-H. Cho, "Device-to-Device-Based Heterogeneous Radio Access Network Architecture for Mobile Cloud Computing," *IEEE Wireless Communications*, pp. 50-58, June 2015.
- [31] P. Phunchongharn, E. Hossain and D. I. Kim, "Resource allocation for D2D Communication Underlying LTE-Advance Networks," *IEEE Wireless Communications*, pp. 91-100, August 2013.
- [32] M. Alam, D. Yang, J. Rodriguez and R. A. Abd-Alhameed, "Secure Device-to-Device Communication in LTE-A," *IEEE Communications Magazine*, pp. 66-73, April 2014.
- [33] K. J. Zou, M. Wang, K. W. Yang, J. Zhang, W. Sheng, Q. Chen and X. You, "Proximity Discovery for Device-to-Device Communications over a Cellular Network," *IEEE Communications Magazine*, pp. 98-107, Juni 2014.
- [34] L. Al-Kanj and Z. Dawy, "Optimized Energy Efficient Content Distribution over Wireless Networks with Mobile-to-Mobile Cooperation," *IEEE ICT 2010*, April 2010.
- [35] G. Araniti, M. Condoluci, A. Orsino, A. Iera and A. Molinaro, "Effective Resource Allocation in 5G-Satellite Networks," 2015.
- [36] P. Ameigeiras, J. Ramos-Munoz, L. Schumacher, J. Prados-Garzon, J. Navarro-Ortiz and J. Lopez-Soler, "Link-Level Access Cloud Architecture Design Based on SDN for 5G Networks," 2014.
- [37] N. Bhushan, J. Li, D. Malladi, R. Gilmore, D. Brenner, A. Damnjanovic, R. T. Sukhavasi, C. Patel and S. Geirhofer, "Network Densification: The Dominant Theme for Wireless Evolution into 5G," *IEEE Communications Magazine*, pp. 82-89, February 2014.
- [38] B. Bangerter, S. Talwar, R. Arefi and K. Stewart, "Networks and Devices for the 5G Era," *IEEE Communications Magazine*, pp. 90-96, February 2014.
- [39] X. Wang, M. Chen, T. Taleb, A. Ksentini and V. C. M. Leung, "Cache in the Air: Exploiting Content Caching and Delivery Techniques for 5G Systems," *IEEE Communications Magazine*, pp. 131-139, February 2014.
- [40] Y. Wang, J. Xu and L. Jiang, "Challenges of System-Level Simulations and Performance Evaluation for 5G Wireless Networks," *IEEE Access*, vol. 2, 2014.
- [41] Ericsson, "5G Radio Access," *Ericsson White Paper*, February 2015.
- [42] C.-X. Wang, F. Haider, X. Gao, X.-H. You, Y. Yang, D. Yuan, H. M. Aggoune, H. Haas, S. Fletcher and E. Hepsaydir, "Cellular Architecture and Key Technologies for 5G Wireless Communication Networks," *IEEE Communications Magazine*, pp. 122-130, February 2014.

- [43] J. Li, R. Bhattacharyya, S. Paul, S. Shakkottai and V. Subramanian, "Incentivizing Sharing in Realtime D2D Streaming Networks: A Mean Field Game Perspective," in *IEEE INFOCOM 2015*, Hong Kong, 2015.
- [44] J. Gong, S. Zhou, Z. Niu and P. Yang, "Traffic-Aware Base Station Sleeping in Dense Cellular Networks".
- [45] J. Liu, "Device-To-Device Communications Achieve Efficient Load Balancing In LTE-Advanced Networks," *IEEE Wireless Communication*, 2014.
- [46] Z. Niu, "Cell Zooming for Cost-Efficient Green Cellular Networks," *IEEE Communications Magazine*, 2010.