

REFERENCES

- [1] K. Dehghanpour and S. Afsharnia, "Electrical demand side contribution to frequency control in power systems: A review on technical aspects," *Renewable and Sustainable Energy Reviews*, vol. 41, pp. 1267–1276, 2015.
- [2] H. Bevrani, A. Ghosh, and G. Ledwich, "Renewable energy sources and frequency regulation: Survey and new perspectives," *IET Renewable Power Generation*, vol. 4, no. 5, pp. 438–457, 2010.
- [3] A. Ulbig, T. S. Borsche, and G. Andersson, "Impact of low rotational inertia on power system stability and operation," *IFAC Proceedings Volumes*, vol. 47, no. 3, pp. 7290–7297, 2014.
- [4] A. Pappachen and A. P. Fathima, "Critical research areas on load frequency control issues in a deregulated power system: A state-of-the-art-of-review," *Renewable and Sustainable Energy Reviews*, vol. 72, pp. 163–177, 2017.
- [5] M.-L. Ngo, R. L. King, and R. Luck, "Implications of frequency bias settings on agc," in *Proceedings of the Twenty-Seventh Southeastern Symposium on System Theory*, IEEE, 1995, pp. 83–86.
- [6] M. Scherer, E. Iggland, A. Ritter, and G. Andersson, "Improved frequency bias factor sizing for non-interactive control," in *Cigre Session*, vol. 44, 2012, pp. 26–31.
- [7] H.-J. Kunisch, K. Kramer, and H. Dominik, "Battery energy storage another option for load-frequency-control and instantaneous reserve," *IEEE Transactions on Energy Conversion*, no. 3, pp. 41–46, 1986.
- [8] K. Leung and D. Sutanto, "Using battery energy storage system in a deregulated environment to improve power system performance," in *DRPT2000. International Conference on Electric Utility Deregulation and Restructuring and Power Technologies. Proceedings (Cat. No. 00EX382)*, IEEE, 2000, pp. 614–619.
- [9] S. S. Dhillon, S. Marwaha, and J. S. Lather, "Robust load frequency control of micro grids connected with main grids in a regulated and deregulated environment," in *International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014)*, IEEE, 2014, pp. 1–9.
- [10] A. A. Hussein, N. Kutkut, Z. J. Shen, and I. Batarseh, "Distributed battery micro-storage systems design and operation in a deregulated electricity market," *IEEE Transactions on Sustainable Energy*, vol. 3, no. 3, pp. 545–556, 2012.
- [11] A. Al-Hinai and A. Feliachi, "Microturbines load following controller design in deregulated power distribution systems," in *2008 IEEE Power and Energy Society General Meeting-Conversion and Delivery of Electrical Energy in the 21st Century*, IEEE, 2008, pp. 1–6.
- [12] F. O. Rourke, F. Boyle, and A. Reynolds, "Renewable energy resources and technologies applicable to ireland," *Renewable and Sustainable Energy Reviews*, vol. 13, no. 8, pp. 1975–1984, 2009.
- [13] M. Arita, A. Yokoyama, and Y. Tada, "A basic study on suppression of power flow deviation on interconnecting transmission line between ffc and tbc networks using battery system as energy storage," *IEEE Transactions on Power and Energy*, vol. 128, pp. 953–960, 2008.
- [14] A. Murakami, A. Yokoyama, and Y. Tada, "Basic study on battery capacity evaluation for load frequency control (lfc) in power system with a large penetration of wind power generation," *IEEE Transactions on Power and Energy*, vol. 126, pp. 236–242, 2006.
- [15] H. Liu, Z. Hu, Y. Song, J. Wang, and X. Xie, "Vehicle-to-grid control for supplementary frequency regulation considering charging demands," *IEEE Transactions on Power Systems*, vol. 30, no. 6, pp. 3110–3119, 2014.