

## DAFTAR PUSTAKA

- [1] S. Ahmed and E. Hamdi, “Volts from the blue—is combined floating solar and hydro the energy solution for asean?” *IEEEFA Energy Finance Analyst*, July 2020.
- [2] D. Linaro, F. Bizzarri, D. del Giudice, C. Pisani, G. M. Giannuzzi, S. Grillo, and A. M. Brambilla, “Continuous estimation of power system inertia using convolutional neural networks,” *Nature Communications*, vol. 14, no. 1, pp. 1–14, 2023.
- [3] X. Feng and F. Tong, “Power system reliability analysis,” *IOP Conf. Series: Earth and Environmental Science*, vol. 558, no. 022025, pp. 1–6, 2020.
- [4] A. A. L. Ahmad and R. Sirjani, “Optimal placement and sizing of multi-type facts devices in power systems using metaheuristic optimisation techniques: An updated review,” *Ain Shams Engineering Journal*, vol. 11, no. 4, pp. 1071–1083, 2020.
- [5] D. H. Tungadio and Y. Sun, “Load frequency controllers considering renewable energy integration in power system,” *Energy Reports*, vol. 5, pp. 104–115, 2019.
- [6] L. Badesa, F. Teng, and G. Strbac, “Conditions for regional frequency stability in power system scheduling—part i: Theory,” *arXiv preprint arXiv:2009.13161*, 2024.
- [7] H. M. Alsharif, “Optimisation of battery energy storage systems for enhancing frequency stability of modern power systems under uncertainty,” January 2023.
- [8] S. Cosic and I. Vokony, “Deep learning-based dynamic state estimation for frequency stability monitoring in power systems with high penetration of renewable generation,” *Eng. Proc.*, vol. 41, p. 16, 2023.
- [9] M. A. E. Mohamed, K. Jagatheesan, and B. Anand, “Modern pid/fopid controllers for frequency regulation of interconnected power system by considering different cost functions,” *Scientific Reports*, vol. 13, no. 14084, pp. 1–14, 2023.
- [10] B. Singh and R. Kumar, “A comprehensive survey on enhancement of system performances by using different types of facts controllers in power systems with static and realistic load models,” *Energy Reports*, vol. 6, pp. 55–79, 2020.
- [11] N. Hatziargyriou, J. V. Milanović, C. Rahmann, V. Ajjarapu, C. Cañizares, I. Erlich, D. Hill, I. Hiskens, I. Kamwa, B. Pal, P. Pourbeik, J. J. Sanchez-Gasca, A. Stanković, T. V. Cutsem, V. Vittal, and C. Vournas, “Definition and classification of power system stability revisited & extended,” *IEEE Transactions on Power Systems*, 2020.
- [12] D. P. Wadduwage, C. Q. Wu, and U. Annakkage, “Power system transient stability analysis via the concept of lyapunov exponents,” *Electric Power Systems Research*, vol. 104, pp. 183–192, 2013.
- [13] L. C. D. X. Q. L. Y. X. Kaiyuan Hou, Zeyu Li, “Steady-state stability of sending-end system with mixed synchronous generator and power-electronic-interfaced renewable energy,” *Mathematical Problems in Engineering*, vol. 2020, pp. 1–11, 2020.
- [14] X. Zhang, “Dynamic equivalent modeling and stability analysis of electric power systems,” Master’s thesis, University of Tennessee, Knoxville, August 2018.



- [15] N. Hu, L. Qiao, C. Yang, J. Qi, and S. Hu, "Convergence adjustment method based on approximate power flow and voltage stability," *Design Engineering*, vol. 2020, no. 1, pp. 53–68, 2020.
- [16] R. M. L. Chengliang Wang, Minjian Cao, "Design of load optimal control algorithm for smart grid based on demand response in different scenarios," *Open Physics*, vol. 16, pp. 1046–1055, 2018.
- [17] N. R. Daiva Stanelyte and V. Radziukynas, "Overview of demand-response services: A review," *Energies*, vol. 15, p. 1659, 2022.
- [18] M. Jayachandran, C. R. Reddy, S. Padmanaban, and A. H. Milyani, "Operational planning steps in smart electric power delivery system," *Scientific Reports*, vol. 11, no. 17250, pp. 1–20, 2021.
- [19] M. X. Zhifang Yang, Pei Yong, "Revisit power system dispatch: Concepts, models, and solutions," *iEnergy*, vol. 2, no. March 2023, pp. 43–62, 2023.
- [20] E. C. E. A. M. S. E. L. Marija Ilic, Reynaldo Salcedo Ulerio, "A framework for evaluating electric power grid improvements in puerto rico," July 2020.
- [21] W. M. Villa-Acevedo, J. M. López-Lezama, D. G. Colomé, and J. Cepeda, "Long-term voltage stability monitoring of power system areas using hierarchical disturbance indicators," *Alexandria Engineering Journal*, vol. 61, no. 3, pp. 1353–1367, 2022.
- [22] H. Saadat, "Power system analysis," *Electrical Engineering*, 2014.
- [23] S. M. Amelian, N. Badayos, V. enkatasubramanian, F. Habibi-Ashrafi, A. Salazar, and B. Abu-Jaradeh, "Novel optimization-based algorithms for a substation voltage controller using local pmu measurements," in *Proceedings of the 51st Hawaii International Conference on System Sciences*, 2018, pp. 2615–2622.
- [24] J. K. Pattanaik, M. Basu, and D. P. Dash, "Dynamic economic dispatch: a comparative study for differential evolution, particle swarm optimization, evolutionary programming, genetic algorithm, and simulated annealing," *Journal of Electrical Systems and Information Technology*, vol. 6, no. 1, pp. 1–18, 2019.
- [25] Microsoft, "Visual studio code documentation," 2021, accessed: 2024-06-15. [Online]. Available: <https://code.visualstudio.com/docs>
- [26] D. GmbH, "Powerfactory 2018 | product overview," *DIgSILENT Power System Analysis Software*, vol. 2018, no. 1, pp. 1–16, 2018.
- [27] T. Seno, *D3RLpy Documentation*, 2023, accessed: 2024-06-15. [Online]. Available: <https://d3rlpy.readthedocs.io/en/v2.5.0/references/algos.html>
- [28] C. Jin, W. Li, L. Liu, P. Li, and X. Wu, "A coherency identification method of active frequency response control based on support vector clustering for bulk power system," *Energies*, vol. 12, no. 16, p. 3155, 2019.
- [29] M. Kotb, S. Kaddah, and K. Shebl, "Online stability analysis during power system restoration based on phasor measurement units," *MEJ-Mansoura Engineering Journal*, vol. 2020, pp. 1–12, 2020.



[30] N. R. Subcommittee, "Balancing and frequency control," *NERC*, May 2021.

[31] ISO New England Inc., *Transmission Planning Technical Guide*, September 2019, effective Date: 09/13/2019. [Online]. Available: [https://www.iso-ne.com/static-assets/documents/2019/10/transmission\\_plannings\\_techincal\\_guide\\_rev5.pdf](https://www.iso-ne.com/static-assets/documents/2019/10/transmission_plannings_techincal_guide_rev5.pdf)