

JOURNAL PAPERS

1. M.R. Mishra, S. Mishra, and P. Mahish, "Time coordinated control strategy to improve voltage balance and regulation of low voltage PV rich networks," *IEEE Trans. Power Del.*, vol. 40, no. 4, pp. 2215-2227, Aug. 2025.
2. P. Mahish, P. Kundu, and S. Mishra, "Wide Area Control of Inverter based Power Grids," *IEEE Trans. Sustain. Energy*, vol. 6, no. 2, pp. 852-865, Apr. 2025
3. M. K. Das, P. Mahish, P. Buduma, and S. Mishra, "Systematic approach to improve performance of asymmetrical 21-level inverter with fewer components," *Int. J. Circ. Theor. Appl.*, Vol. 53, issue 5, pp. 2521-2540, May 2025. doi:10.1002/cta.4229
4. P. Mahish, A. K. Pradhan, and S. Mishra, "Mitigating the impact of false data in wide area control of power systems," *Electric Power System Research*, vol. 236, pp. 110912, Nov. 2024.
5. M.R. Mishra, P. Mahish, and S. Mishra, "An irradiance driven adaptive PQV droop for voltage regulation in active distribution system," *IEEE Trans. Power Del.*, vol. 38, no. 5, pp. 3192-3204, Oct. 2023.
6. P. Mahish, and S. Mishra, "Synchrophasor data based Q-V droop control of wind farm integrated power systems," *IEEE Trans. Power Syst.*, 2022, vol. 38, no. 1, pp. 358-370, Jan. 2023.
7. P. Mahish, and A. K. Pradhan, "Mitigating subsynchronous resonance using synchrophasor data based control of wind farms," *IEEE Trans. Power Del.*, vol. 35, no. 1, pp. 364-376, Feb. 2020.
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1. M. R. Mishra, S. Mishra and P. Mahish, "Resilient Voltage Restoration Scheme for AC Microgrids Under Cyber Attack," 2025 IEEE Energy Conversion Congress & Exposition Asia (ECCE-Asia), Bengaluru, India, 2025.
2. B. K. Yadavendu, M. Mishra and P. Mahish, "Sub/super synchronous resonance analysis of grid following inverter at islanded operation," 2024 IEEE 21st India Council International Conference (INDICON), Kharagpur, India, 2024.
3. P. Mahish, and S. Mishra, "Improving frequency regulation of power system using primary and secondary reserves in grid integrated wind farms," 9th International Conference on Power Systems (ICPS), Kharagpur, India, 2021.
4. P. Mahish, and A. K. Pradhan, "A state predictive approach to mitigate communication latency and data loss for wide area control of power system," in *Proc. IEEE Power Energy Soc. General Meeting*, Atlanta, GA, USA, Aug. 2019, pp. 1-5.
5. P. Mahish, and A. K. Pradhan, "Synchrophasor data based distributed droop control in grid integrated wind farms to improve primary frequency response," 8th International Conference on Power Systems (ICPS), Jaipur, India, 2019.
6. P. Mahish, and S. Chakraborty, "Frequency tuning properties of Magneto-Optic sensor," in *Proc. ICDCCom*, India, Sept, 2014, pp. 1-3.

7. P Sarkar, P Mahish, M. Chowdhury, and K Sakurai, "Securing sensor networks by moderating frequencies," Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering book series (LNICST, vol. 153), Springer, 2015, pp. 173-185.

BOOK CHAPTERS:

1. P. Mahish and S. Mishra, "Wide area control design indifferent aspects of oscillations," Synchrophasor technology: Real-time operation of power networks, Institution of Engineering Technology, 2023, pp. 49-77.
2. P. Mahish, M. R. Mishra, S. Mishra, "Distributed generation system integration: Operation and control," Microgrid Cyberphysical Systems, Elsevier, 2022, pp. 29-66.