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PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

1. **Vishal Kumar Gaur**, Saikat Chakrabarti, Ankush Sharma, “Improving faulty phase selection in PV integrated system with compensation angle approach,” *Electric Power Systems Research*, vol. 226, 109913, 2024.
2. **Vishal Kumar Gaur**, Bhavesh R. Bhalja, and A. Saber “New fault location method for three-terminal transmission line using unsynchronized current measurements,” *International Journal of Electrical Power & Energy Systems (EPES)*, vol. 135, pp. 1-10, 2022.
3. **Vishal Kumar Gaur**, Bhavesh R. Bhalja, and Mladen Kezunovic “Novel fault distance estimation method for three-terminal transmission line,” *IEEE Transactions on Power Delivery*, vol. 36, no. 1, pp. 406-417, 2021.
4. **Vishal Kumar Gaur**, Bhavesh R. Bhalja, “New fault detection and localisation technique for double-circuit three-terminal transmission line,” *IET Generation Transmission & Distribution*, vol. 12, no. 8, pp. 1687-1696, 2018.
5. **Vishal Kumar Gaur**, Bhavesh R. Bhalja, “A new faulty section identification and fault localization technique for three-terminal transmission line,” *International Journal of Electrical Power & Energy Systems (EPES)*, vol. 93, pp. 216-227, 2017.

PUBLICATIONS IN INTERNATIONAL/RENOWNED CONFERENCES

6. Kapil Chauhan, Ravi Prakash, **Vishal Kumar Gaur**, Yashasvi Bansal, Ranjana Sodhi, “A novel islanding detection framework using synchrophasor data sharing,” *IEEE International Conference on Sustainable Energy and Future Electric Transportation (SEFET)*, Jaipur, India, 9-12 July 2025. (Accepted for presentation)
7. **Vishal Kumar Gaur** and Bhavesh R. Bhalja, “Wavelet transform modulus maxima- based fault location method for three-terminal transmission line,” *International Conference on Power Systems (ICPS)*, 20-22 December 2019, Jaipur, India.
8. **Vishal Kumar Gaur** and Bhavesh R. Bhalja, “Synchrophasor based fault distance estimation method for tapped transmission line,” *IEEE Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA)*, 25-27 May 2019, TX, USA, pp. 1-5.
9. **Vishal Kumar Gaur** and Bhavesh R. Bhalja, “A new digital distance relaying scheme for three terminal transmission line,” *IEEE Power & Energy Society General Meeting (PESGM)*, 5-9 August 2018, Portland, USA, pp. 1-5.
10. **Vishal Kumar Gaur** and H. R. Jariwala, “Approach to solve synthetic test circuit for testing of high voltage circuit breaker,” *IEEE International Conference on Environment and Electrical Engineering (EEEIC)*, Rome, 10-13 June 2015, Italy, pp. 1187-1192.
11. **Vishal Kumar Gaur** and H. R. Jariwala, “Design and modeling of synthetic test circuit to generate four parameter TRV envelope,” *IEEE Power India International Conference (PIICON)*, 5-7 December 2014, Delhi, India.

ARTICLE IN MAGAZINE

12. **Vishal Kumar Gaur** and Bhavesh R. Bhalja, “Energy conservation,” *Electrical India Magazine*, Sept., 2015.

PUBLISHED BOOK/CHAPTER

13. Vishal Kumar Gaur and S. Paul, "Communication and Measurement Technologies for Smart Grid," in *Big Data Analytics Framework for Smart Grids*, 1st ed. CRC Press, 2023, pp. 30. DOI: 10.1201/9781032665399
14. Vishal Kumar Gaur and Krishna Murari, "Switchgear Faults and Remedies," in *Switchgear Design, Operation, and Maintenance Using Industry Standards*, 1st ed., Elsevier, 2025

CONFERENCES/ WORKSHOP/TRAINING ORGANIZED

Sr.no	Seminar/conference/Workshop	Date	Location	Role
1.	IEEE Students Conference on Engineering and System (SCES) 2024	June 21, 2024 to June 23, 2024	Prayagraj, India	Organizing Secretary
2.	Five Days Short-Term Program (APT-2025) "Advanced Power Technologies"	June 23, 2025 to June 27, 2025	Prayagraj, India	Convener
3.	Five Days Short-Term Program (ROTW-2025) "Research Oriented Technical Writing"	June 30, 2025 to July 04, 2025	Prayagraj, India	Cordinator
4.	Special Session on "Empowering the Future with Hydrogen-Based Systems" in IEEE SeFeT 2025	July 09, 2025 to July 11, 2025	MNIT Jaipur, India	Organizer

CONFERENCES/ WORKSHOP/TRAINING PROGRAMS ATTENDED

Sr.no.	Seminar/conference/Workshop	Date	Location	Mode
5.	IEEE Power India International Conference (PIICON)	December 05, 2014 to December 07, 2014	Delhi, India	Offline
6.	Southeast Asia International Joint-Research and Training Program on Low Carbon Green Energy and Environmental Sustainability	August 26, 2017 to September 03, 2017	Taiwan	Offline
7.	IEEE PES General Meeting	August 05, 2018 to August 09, 2018	Portland, USA	Offline
8.	IEEE Conference on Smart Grid Synchronized Measurements and Analytics	May 20, 2019 to May 23, 2019	Texas, USA	Offline
9.	IEEE International Conference on Power Systems (ICPS)	December 20, 2019 to December 23, 2019	Jaipur, India	Offline
10.	Coordinated Control and Protection of Distributed Networks with High Integration of Renewable Sources, sponsored by SPARC	February 26, 2024 to March 01, 2024	IIT Roorkee	Offline

EXPERT TALK/CHAIR IN CONFERENCES

- Talk delivered on topic "Transmission Line Protection using Synchrophasor Technology" in training program on *Smart Grid Technologies* at IIT Kanpur, September 15-19, 2021.
- Session Chair, EPREC-2023, NIT Jamshedpur.