

LIST OF PUBLICATIONS

Journals

1. **Shailendra Singh**, and S. P. Singh, "Energy Saving Estimation in Distribution Network with Smart Grid enabled CVR and Solar PV Inverter." *IET Generation, Transmission & Distribution*, Vol. 12, No. 6, pp. 1346-1358, 2018.
2. **Shailendra Singh**, Vijay Babu P, and S. P. Singh, "Time Horizon-based Model Predictive Volt/VAR Optimization for Smart Grid Enabled CVR in Presence of Electric Vehicle Charging Loads", *IEEE Transactions on Industry Applications*. Vol. 55, No. 6, pp. 5502-5513, Nov.-Dec. 2019.
3. Vijay Babu Pamshetti, **Shailendra Singh**, S. P. Singh. "Combined Impact of Network Reconfiguration and Volt-VAR control devices on Energy Savings in the presence of Distributed Generation". *IEEE Systems Journal*. Vol. 14, No. 1, pp.995-1006, 2019.
4. **Shailendra Singh**, Vijay Babu P, A, K, Thakur and S. P. Singh, "Multistage Multiobjective Volt/VAR Control for Smart Grid-Enabled CVR With Solar PV Penetration." *IEEE Systems Journal*, 2020 (Early Access).
5. **Shailendra Singh**, S. P. Singh, Vijay Babu P., "Energy Efficiency and Peak Load Management via CVR and Distributed Energy Storage in Active Distribution Grid," *International Transactions on Electrical Energy Systems*, Vol. 30, No. 3, 2020: e12224.
6. Vijay Babu Pamshetti, **Shailendra Singh**, S. P. Singh, "Reduction of Energy Demand via Conservation Voltage Reduction considering Network Reconfiguration and Soft Open Point". *International Transactions on Electrical Energy Systems*. Vol. 30, No. 1, 2020: e12147.
7. **Shailendra Singh**, Santosh Veda, S. P. Singh, R. Jain and Murali Baggu, "Event-Driven Predictive Approach for Real-Time Volt/VAR control with CVR in solar PV rich Active Distribution Network," *IEEE Transaction on Power System*, 2019 (Revise &submit)
8. **Shailendra Singh**, S. P. Singh, Santosh Veda and Murali Baggu, "Energy Conservation in Active Distribution Network via Integrated Volt/VAR Optimization and Demand Response Framework Considering Community Distributed Energy Resources and EV Charging Loads," *IEEE Transactions on Smart Grid*. 2020 (Under Review)

Conferences

1. **Shailendra Singh**, S. P. Singh, Santosh Veda, and Murali Baggu, “Smart Grid-Enabled CVR: An Advanced Application for Distribution Management Systems,” *2018 Power and Energy Society General Meeting*, 5-9 August 2018, Portland, Oregon U.S.A.(Student Poster)
2. **Shailendra Singh**, S. P. Singh, Santosh Veda, and Murali Baggu, “Maximizing the Benefits of Volt-VAR Optimization in the Presence of Community Energy Storage” *IEEE Power Electronics, Drives and Energy Systems Conference (PEDES)*, at IIT Madras in Chennai, Tamilnadu, India. 18-21 December, 2018.
3. **Shailendra Singh**, Sunil Muwal, Devesh Shukla, and S. P. Singh, “Model Predictive Driven Volt/VAr Control for Smart Grid Enabled CVR in Active Distribution Network,” *2018 IEEE 8th Power India International Conference (PIICON)*, At NIT Kurukshetra December 9-10, 2018
4. **Shailendra Singh**, S. P. Singh, ‘Peak Load Relief in MV/LV Distribution Network Through Smart Grid Enabled CVR With Droop Control EV2G Reactive Power Support’, *IEEE International conference on Power, Instrumentation, Computing and Control*, GEC Trichur, India, Jan. 18- 20, 2018.
5. **Shailendra Singh**, Vijay Babu P. and S. P. Singh, “Impact of Combined Operation of CVR and Energy Storage System in Distribution Grid,” *20th National Power Systems Conference (NPSC)*, at NIT Trichy India, December 14-16, 2018.
6. Vijay Babu P. **Shailendra Singh**, S. P. Singh, “Distributed Generators allocation in Distribution System” *2017 IEEE PES General Meeting, Chicago USA*, July 16-20, 2017.
7. **Shailendra Singh**, A. K. Thakur and S. P. Singh, "Energy Savings in Distribution Network with Smart Grid-enabled CVR and Distributed Generation," *19th 2016 National Power Systems Conference (NPSC)*, Bhubaneswar, 2016, pp. 1-6.
8. **Shailendra Singh**, S. P. Singh, “Opportunities and Challenges for Deployment of CVR/VVO Methodology in Indian Smart Energy Distribution System”

International Conference & Exhibition on Smart Grids and Smart Cities, (ISGW 2016), at ISGF India, 15-19 March, 2016

9. **Shailendra Singh**, D. Shukla and S. P. Singh, "Peak Demand Reduction in Distribution Network with Smart Grid-enabled CVR," *2016 IEEE PES Innovative Smart Grid Technologies - Asia (ISGT-Asia), Melbourne, VIC, 2016*, pp. 735-740
10. **Shailendra Singh**, S. P. Singh, "A Smart Volt-Var Optimization Engine for Energy Distribution System" *IEEE International Conference on Emerging Trends in Electrical, Electronics & Sustainable Energy Systems (ICETEESES-16)*, at KNIT, Sultanpur India, on March 11-12, 2016