

LIST OF PUBLICATIONS

Faculty: Dr Bhamidi Lokeshgupta

Department of Electrical and Electronics Engineering

JOURNAL PUBLICATIONS

Dynamic Economic and Emission Dispatch with Renewable Energy Integration Under Uncertainties and Demand-Side Management-**B. Lokeshgupta** and S. Sivasubramani- *Electrical Engineering (Springer)*, 1-12, (2022)

Optimal Sizing of Smart Home Renewable Energy Resources and Battery Under Prosumer-Based Energy Management- **B. Lokeshgupta** and S. Sivasubramani- *IEEE Systems Journal*, 15(1), 105-113, (2021)

Optimal Planning and Operational Strategy of a Residential Microgrid With Demand Side Management- **B. Lokeshgupta** and S. Sivasubramani- *IEEE Systems Journal*, 14(2), 2624-2632, (2020)

Multi-Objective Harmony Search Algorithm for Dynamic Optimal Power Flow with Demand Side Management- B. Lokeshgupta and S. Sivasubramani- *Electric Power Components and Systems (Taylor & Francis)*, 47(8), 692-702 (2019)

Multi-Objective Home Energy Management with Battery Energy Storage Systems- **B. Lokeshgupta** and S. Sivasubramani- *Sustainable Cities and Society (Elsevier)*, 47, 101458 (2019)

Cooperative Game Theory Approach for Multi-Objective Home Energy Management with Renewable Energy Integration- **B. Lokeshgupta** and S. Sivasubramani- *IET Smart Grid*, 2(1), 34-41, (2019)

Multi-Objective Dynamic Economic and Emission Dispatch with Demand Side Management- **B. Lokeshgupta** and S. Sivasubramani- *International Journal of Electrical Power & Energy Systems (Elsevier)*, 97, 334-343 (2019)

CONFERENCES

Multi-Objective Residential Demand Side Management with Solar and Wind Energy Integration- **B. Lokeshgupta** and S. Sivasubramani- 2019 8th International Conference on Power Systems (ICPS), 20-22 Dec 2019, Jaipur, India.

Optimal Operation of A Residential Microgrid with Demand Side Management- **B. Lokeshgupta** and S. Sivasubramani- 2019 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), 29 Sep – 2 Oct 2019, Bucharest, Romania.

Prosumer Based Energy Management with Optimal Sized Renewable Energy Integration- **B. Lokeshgupta** and S. Sivasubramani- 2018 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), 18-21 Dec 2018, Chennai, India.

Multi-Objective Residential Demand Side Management with Game Theory Approach- **B. Lokeshgupta** and S. Sivasubramani- 2018 20th National Power Systems Conference (NPSC), 14-16 Dec 2018, Tiruchirappalli, India.

Optimal Site and Size of DG with different Load Models using Cuckoo Search Algorithm- Ram Prakash, **B. Lokeshgupta** and S. Sivasubramani- 2018 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), 18-21 Dec 2018, Chennai, India.

Multi-Objective Bat Algorithm for Optimal Placement and Sizing of DG- Ram Prakash, **B. Lokeshgupta** and S. Sivasubramani- 2018 20th National Power Systems Conference (NPSC), 14-16 Dec 2018, Tiruchirappalli, India.

Multi-Objective Optimization for Demand Side Management in A Smart Grid Environment- **B. Lokeshgupta**, A Sadhukhan and S. Sivasubramani- 2017 7th International Conference on Power Systems (ICPS), 21-23 Dec 2017, Pune, India.