Master of Engineering in Power Systems

Selected SCI publications by ME (PS) Students

Title	Authors	Journal Name and DOI	Year
Combined Heat and Power Economic Dispatch using Integrated Civilized Swarm Optimization	Nitin Narang, **Era Sharma** and J.S. Dhillon	Applied Soft Computing **(Elsevier)** https://doi.org/10.1016/j.asoc.2016.12.046	2017
Design of Modified Droop Controller for Frequency Support in Microgrid Using Fleet of Electric Vehicles	**Rubi Rana**, Mukesh Singh and S. Mishra	IEEE Transactions on Power Systems **(IEEE)** 10.1109/TPWRS.2017.2651906	2017
Energy Management and Voltage Stabilization in an Islanded Microgrid through an Electric Vehicle Charging Station	Shakti Singh, Mukesh Singh, and **Shubhangi Jagota**	Sustainable cities and societies **(Elsevier)** https://doi.org/10.1016/j.scs.2018.05.055	2018
Fuzzy Rough Set Based Energy Management System for Self-Sustainable Smart City	**Sumedha Sharmaa**, Amit Dua, Mukesh Singh, Neeraj Kumar, Surya Prakash	Renewable and Sustainable Energy Reviews **(Elsevier)** https://doi.org/10.1016/j.rser.2017.10.099	2018
Feasibility study of a grid integrated hybrid solar wind energy system consisting an electric vehicle charging station	Shakti Singh, **Prachi Chauhan**, NirbhowJap Singh	Journal of Modern Power system and clean Energy **(Springer)** 10.35833/MPCE.2019.000081	2019
A hybrid approach for model order reduction and Controller Design of Large-Scale Power Systems	**Singhal, R**., Srivastava, Y., Agarwal, S., Kumar, A., & Ganguli, S.	Electrical and Electronic Devices, Circuits and Materials: Design and Applications **(Taylor & Francis)** 10.1201/9781003097723-13	2020
Parameter estimation of solar cells: A State-of-The-Art Review with Metaheuristic Approaches and Future Recommendations	**Goyal, S**., Nijhawan, P., & Ganguli, S	Green Energy: Fundamentals, Concepts and Applications **(Wiley)** https://doi.org/10.1002/9781119760801.ch4	2020
A Heuristic approach for Modelling and Control of Automatic Voltage Regulator (AVR)	**Singhal, R**., Kumar, A., & Ganguli, S	Electronic Devices, Circuits and Materials: Design and Applications, CRC Press **(Taylor & Francis)** 10.1201/9781003097723-9	2020
An intelligent Computing Technique for Parameter Extraction of Different Photovoltaic (PV) Models	**Goyal, S.**, Nijhawan, P., & Ganguli, S.	Electrical and Electronic Devices, Circuits and Materials: Technological challenges and Solutions **(Wiley)** https://doi.org/10.1002/9781119755104.ch17	2020
A Heuristic-Based Appliance Scheduling Scheme for Smart Homes	A. Jindal, **B. S. Bhambhu**, M. Singh, N. Kumar and K. Naik	IEEE Transactions on Industrial Informatics **(IEEE)** 10.1109/TII.2019.2912816	2020
System sizing of hybrid solar-fuel cell battery energy system using artificial bee colony algorithm with predator effect	**Aditi Gupta**, Shakti Singh, NirbhowJap Singh	International Journal of energy research https://doi.org/10.1002/er.7526	2021