

List of Publications

Journal Publications

1. **K. Chaudhari**, N. K. Kandasamy, A. Krishnan, A. Ukil and H. B. Gooi, "Agent Based Aggregated Behavior Modelling For Electric Vehicle Charging Load," in IEEE Transactions on Industrial Informatics. doi: 10.1109/TII.2018.2823321.
2. **K. Chaudhari** A. Ukil, K. Nandha Kumar, U. Manandhar and S. K. Kollimalla, "Hybrid optimization for energy storage management of PV integrated EV charging station," IEEE Transactions on Industrial Informatics, 2017. doi: 10.1109/TII.2017.2713481.
3. A. Paudel, **K. Chaudhari**, H. B. Gooi, "Peer-to-Peer Energy Trading in a Prosumer Based Community Microgrid: A Game-Theoretic Model," IEEE Transactions on Industrial Electronics, 2018. (Under Revision)
4. U. Manandhar, A. Ukil, H. B. Gooi and N. R. Tummuru and S. K. Kollimalla and B. Wang and **K. Chaudhari**, "Energy Management and Control for Grid Connected Hybrid Energy Storage System under Different Operating Modes," IEEE Transactions on Smart Grid, 2017. doi: 10.1109/TSG.2017.2773643
5. U. Manandhar, N. Tummuru, S. Kollimalla, A. Ukil, H. B. Gooi, **K. Chaudhari**, "Validation of Faster Joint Control Strategy for Battery and Supercapacitor Based Energy Storage System," IEEE Transactions on Industrial Electronics, 2017. doi: 10.1109/TIE.2017.2750622.

Conference Publications

1. **K. Chaudhari**, S. Piao Sen, K. Nandha Kumar, A. Ukil, H. B. Gooi, "Agent-Based Modelling of EV Energy Storage Systems Considering Human Crowd Behavior," IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society, Beijing, 2017
2. **K. Chaudhari**, K. Nandha Kumar, R. K. Kanamarlapudi, H. B. Gooi, A. Ukil, "Modeling of Charging Profiles for Stationary Battery Systems using Curve Fitting Approach," IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society, Beijing, 2017
3. **K. Chaudhari**, A. Ukil, S. K. Kollimalla and U. Manandhar, "Energy storage management for EV charging stations: Comparison between uncoordinated and statistical charging loads," IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society, Florence, 2016.}
4. **K. Chaudhari** and A. Ukil, "TOU pricing based energy management of public ev charging stations using energy storage system," in IEEE International Conference on Industrial Technology (ICIT), pp. 460–465, March 2016.

Agent-Based Modelling of EV Charging For Optimized Charging Station Operation

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5. L.P.M. Sampath, A. Krishnan, **K. Chaudhari**, H. B. Gooi and A. Ukil, ``A Control Architecture for Optimal Power Sharing among Interconnected Microgrids,” in 2017 IEEE PES General Meeting ,Chicago, USA. July 2017
6. S. Kollimalla, A. Ukil, H. B. Gooi, NK S. Naidu, U. Manandhar and **K. Chaudhari**, ``Application of Two Stage Rate Limit Control for Different Operating Modes of Battery,” in IEEE International Conference on Industrial Technology (ICIT), March 2017