Yanandlall Gopee

Research Interest

Energy Management System, Renewable Energy Sources, Optimization, Resilience, Techno-economic Analysis, Social and Behavioral Aspects

Biography

Yanandlall Gopee, a PhD student, is engaged in a collaborative effort involving four laboratories, exploring a multidisciplinary subject. His primary research goal is to enhance the resiliency of multi-microgrids and energy communities. To achieve this, he is employing adaptive multi-agent systems to develop energy management system strategies that aim to minimize electricity costs, ensure user comfort, promote self-consumption, and improve the overall resilience of power distribution networks.

Education

PhD student in Electrical Engineering at LAAS, LAPLACE, IRIT and SATIE - (Université Toulouse III - Paul Sabatier), France (ongoing)

MSc in Electrical Engineering for Sustainable Development at Université Toulouse III - Paul Sabatier, France, 2019

Bachelor of Science in Electrical Engineering and Automation at Université Des Mascareignes in partnership with the University of Limoges, Mauritius, 2017

Scientific Publication

Y. Gopee, M. Gaetani-Liseo, A. Blavette, G. Camilleri, X. Roboam and C. Alonso, "Energy Management System for a Low Voltage Direct Current Microgrid: Modeling and experimental validation," IECON 2022 – 48th Annual Conference of the IEEE Industrial Electronics Society, Brussels, Belgium, 2022, pp. 1-6, **doi: 10.1109/IECON49645.2022.9968485.**

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