Paper ID : 426-Stochastic modeling of solar radiation for optimal management of stand-alone microgrid supplying a cluster of houses

Presenter : Paulisimone RASOAVONJY



Ms. Paulisimone RASOAVONJY, who holds the position of Associate Professor in Electrical, Electronic, Photonic, and Systems Engineering (CNU Section 63), is a researcher at the CERTES laboratory at the University of Paris Est Créteil. She gained teaching and research experience as a Temporary Teaching and Research Assistant in Section 63 at the Department of Electrical Engineering and Industrial Computer Science at the Créteil-Vitry University Institute of Technology (IUT), part of the University of Paris-Est Créteil, and at the Department of Physical Measurements at the Saint-Nazaire University Institute of Technology (IUT), part of the University of Nantes.

She is responsible for tutorials, lab sessions, and student-led projects in the fields of electronics, electrical engineering, power electronics, energy, and renewable energy, as well as in the field of EEA (Electronics, Electrical Energy, and Automation).

Her research focuses on the optimal management of electrical energy for microgrids, smart grids, renewable energy sources, battery storage systems, and the large-scale integration of renewable energy into smart grids.
She holds a Ph.D. in Building Physics, specializing in issues related to intermittent renewable energy and its large-scale integration into smart grids. She completed her doctoral dissertation at the PIMENT laboratory at the University of Réunion, titled “Stochastic Modeling and Optimization of an Autonomous Microgrid.”