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Paper Title : Energy Management and Adaptive Error-Gradient Control for Resilient Islanded Microgrid

Biography

Nabil BENYAHIA defended his Ph.D. in 2014 at University of Béjaia (Algeria) in optimization of electrical propulsion system: application of fuel cells and supercapacitors electric vehicle. Experimental works of his thesis was carried out at the CRTT of SaintNazaire and the Fuel Cell Laboratory (FC-LAB) at University of Belfort-Montbéliard. He has participated in several innovative projects in particular: Design of the newly initiated Rail Innovative Centre (RIC) based on power hardware in loop (P-HIL) demonstrator to meet the future propulsion systems for the rail at the university of Derby (UK), Design of an inverter based SiC component for high-speed magnet machines drives at ENSEM in Nancy, and Develop an experimental platform based on power hardware in the loop of PEM fuel cell and propeller for naval applications at naval academy research institute (Lanveoc). Currently, he is an assistant professor at ESME school. He can be contacted at email: nabil.benyahia@esme.fr.