



Burak Muhammetoglu is an Electrical and Electronics Engineer with a focus on sustainable energy systems and innovative vehicle-to-grid (V2G) integration methods. Burak has a background in Electrical and Electronics Engineering, having earned his bachelor's degree from Akdeniz University, where he also acted as the chair of the IEEE Student Branch and participated in prominent projects like NASA's CANSAT. His expertise extends to product design, R&D engineering, and simulation techniques, crucial for advancing electric vehicle integration into smart grids. He is currently engaged in research in Master of Engineering at Memorial University of Newfoundland under the supervision of Dr. Mohsin Jamil. Burak is also an instructor at the Marine Institute of Memorial University, teaching courses on DC Motors and Transformers, AC Circuits and Analog Electronics, highlighting his commitment to education and knowledge in his field. His professional journey is marked by a blend of academic experience, projects and a passion for renewable energy and technology innovation.