Special Issue

Innovative Electromagnetic Technology for Automotive Vehicle Applications

Message from the Guest Editors

In an era defined by rapid technological progress, the automotive industry is undergoing a transformative shift through the integration of electromagnetic technology into vehicles, improving efficiency, safety, and overall performance. This convergence of automotive and electromagnetic engineering has ushered in a new era of intelligent, interconnected systems, going beyond traditional transportation. Electromagnetic tech innovations in the automotive sector span ecoconscious electric propulsion systems, advanced sensors enabling autonomous driving, and essential solutions for electronic component coexistence, elevating reliability and functionality. This Special Issue explores electromagnetic technology's pivotal role in shaping future vehicles by examining challenges, breakthroughs, and future prospects. Keywords: electromagnetic technology; automotive applications; vehicle electrification

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