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 eco-conscious 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

Guest Editors

Dr. Luis M. Castellanos Molina
Department of Mechanical and Aerospace Engineering, Politecnico di Torino, 10129 Turin, Italy

Prof. Dr. Nicola Amati
Department of Mechanical and Aerospace Engineering, Politecnico di Torino, 10129 Turin, Italy

Deadline for manuscript submissions

closed (20 February 2025)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/184187

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI