Special Issue

Research on Applications of Electromagnetic Energy Systems

Message from the Guest Editors

Maxwell's fundamental equations generally accurately describe the electromagnetic field, and although they are not always used in a proper manner. They have the capacity to lessen environmental pollution and advance the economy and the progress of society during an energy transition, and continue to inspire new and innovative applications in a wide range of fields. The following are only several of the major topics that this Special Issue plans to cover:

- Physics of plasma thrusters;
- Electromagnetic propulsion systems;
- Measurement, instrumentation and sensors of electromagnetic energy;
- Novel power systems;
- Quantum vacuum energy transfers to use for propulsion;
- Advanced modeling approaches using electromagnetic energy;
- Novel applications of electromagnetic energy and forces;
- Magnetic levitation, control the flow of fluids, terahertz imaging cloaking devices, ultra-high-speed data transmission;
- Applications of novel materials to generate and control electromagnetic fields.

Guest Editors

Prof. Dr. Mario J. Pinheiro

Prof. Dr. Jianjun Wu

Dr. Paulo Manuel de Araújo Sá

Dr. Takaaki Musha

Deadline for manuscript submissions

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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

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