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Editorial

Electricity: A New Open Access Journal

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Electricity has fascinated humans since the early days. Its name comes from the Greek word "elektron", which means amber. The pioneering work of Benjamin Franklin, Alessandro Volta, and Michael Faraday created the basis for making electricity as a source of power in the 19th century. Since the invention of the light bulb by Thomas Edison, electricity found a mass market, together with other applications in traction and drives. Since then, electricity has been fundamental to the development of our society and the basis for further technological development.

Electricity is a prerequisite for social, industrial, and commercial development, and therefore any research and innovation that brings electricity technology a step forward will cause a tremendous positive impact. Electricity supply is also a crucial part of the future for sustainable and clean energy and is part of the solution for the global challenge of climate change. Electricity also means social development, and for this reason, the UN Sustainable Development Goal 7 is defined as reliable and affordable access to electricity.

Despite a long history of research in electricity from the 19th century onwards, there are a lot of open problems and new challenges that remain to be solved. The rise of new techniques in computation, materials, simulation, and the demand for new applications of electricity technology impel new opportunities for researchers. Researchers need to have access to the latest developments in this field, able to disseminate the cutting-edge research results at a fast speed globally, and in an open-access format. Herewith, we introduce you *Electricity* (ISSN 2673-4826, https://www.mdpi.com/journal/electricity), an international, open-access journal in the field of electrical engineering and research for fast scientific dissemination.

We encourage you to submit your manuscripts for consideration for publication in the area of electrical engineering, according to the scope of the journal. Electricity research requires a multidisciplinary perspective and the scope of the *Electricity* journal also reflects the need to integrate technological developments related to digitalization, social wellbeing, environmental concerns, and new market organizations. The electrification of the economy is a prerequisite for reaching the goal of decarbonization of our society and this transition, together with digitalization, should result in a promising future.

We will be happy to receive your recent research and reviews, as well as significant insights of demonstration projects and case studies. We are very confident you will find your way to contribute with your research work to this journal. Suggestions for special issues from guest editors are very welcome, and in particular, we are encouraging proposals from recent research to disseminate in open-access form and in the short term. Last but not least, We hope you will enjoy reading the articles on and in *Electricity*.

Conflicts of Interest: The authors declare no conflict of interest.