

## Special Issue

# Power Quality and Electrical Machines

### Message from the Guest Editor

In power systems commonly occur diverse disturbances, such as voltage waveform distortions, voltage unbalance, voltage deviation and in marine power systems – additionally frequency deviation. Power quality disturbances exert a negative effect on various elements of a power system, including electrical machines, causing among the other things their overheating, excessive vibration and torsional vibration, efficiency reduction, loss of reliability and durability. At the same time in some cases the work of electrical machines may contribute to the presence of power quality disturbances. For this Special Issue we would like to encourage original contributions regarding power quality-related phenomena in asynchronous and synchronous machines. Potential topics may include, but are not limited to: heating, power losses, torque pulsations, vibration, reliability and durability of electrical machines, the generation of power quality disturbances by electrical machines, proposals of modification of power quality standards and rules in order to protect electrical machines against malfunctions due to excessive power quality disturbances.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 May 2022)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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