



## Permanent Magnet Synchronous Machines

Guest Editor:

**Assoc. Prof. Sandra Eriksson**

Department of Engineering  
Sciences, Uppsala University, Box  
534, 751 21 Uppsala, Sweden

Sandra.Eriksson@  
angstrom.uu.se

Deadline for manuscript  
submissions:

**28 February 2019**

### Message from the Guest Editor

This Special Issue will focus on PMSMs and the electrical systems they are connected to. Both theoretical and experimental work, and, especially, the combination of these, are welcomed. Recently, an interest in reducing the use of rare earth metals has been raised, and therefore papers exploring substitution and reduction of rare earth metals in PM machines are encouraged.

Topics of interest for publication include, but are not limited to:

- Permanent magnet synchronous machine design
- Modelling of PM machines
- Innovative designs of PM machines
- Drive systems for PM motors
- Electrical systems and control strategies for PM generators
- Substitution or reduction of rare earth metals in PM machines
- Demagnetization risk for PMs in synchronous machines
- Thermal design and losses
- Mechanical design
- PM pilot excitors
- PM assisted synchronous reluctance machines





## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Room 32, Department of  
Mechanical and Aerospace  
Engineering, University of Roma  
Sapienza, Via Eudossiana 18,  
00184 Roma, Italy

## 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.

## Author Benefits

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

**High visibility:** indexed by the Science Citation Index Expanded (Web of Science), Ei Compendex, Scopus and other databases.

**Rapid publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 13.4 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the second half of 2018).

## Contact Us

---

*Energies*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
www.mdpi.com

mdpi.com/journal/energies  
energies@mdpi.com  
@energies\_mdpi