

Special Issue

Wind Turbine Power Systems

Message from the Guest Editor

Wind turbines are expected to become, the leading technology for electricity production from a renewable energy source, likely as a result of multifaceted improvements in the efficiency of wind kinetic energy conversion. On the grounds of this premise, the present Special Issue calls for contributions on innovations in aspects related to wind turbine technology. The privileged topic is power electronics in wind turbine applications but, since there are several possible directions for optimizing wind turbine power, the scope of the Special Issue is wide. Suitable topics include but are not limited to:

- Power electronics in wind turbine applications;
- Wind turbine electrical circuits and devices;
- Wind turbine power control and monitoring;
- Wind turbine control innovation, design and testing;
- Wind farm control;
- Early fault diagnosis and condition monitoring;
- Soft computing and information processing applications in wind power technology;
- Innovations in sensory systems and measurement technology for wind energy;
- Wind turbine components aging, operation and maintenance, end of life issues;
- Signal processing applications;
- Micro wind turbine technology and smart mini grids.

Guest Editor

Dr. Davide Astolfi

Department of Information Engineering, University of Brescia, Via Branze 38, 25123 Brescia, Italy

Deadline for manuscript submissions

closed (30 September 2021)



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

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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