



Advances in Wind Turbines

Guest Editor:

Dr. Ying Zhu

School of Electrical and Power
Engineering, Hohai University,
Nanjing 211100, China

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Message from the Guest Editor

Wind power has become the fastest growing and most competitive power. However, with the gradual increase of wind power level, the issue of safe and stable operation has aroused widespread concern. Therefore, in order to build a novel power system and promote the transformation of a low-carbon energy structure, it is essential to comprehensively study key technologies such as new wind turbine topologies, improved generator-side control strategies, wind power prediction approaches and grid-friendly control methodologies for large-capacity wind turbines.

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control and condition monitoring of all types of wind turbines.

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

- Structures of wind turbines;
- Wind farm layout;
- Control strategies of wind turbines;
- Stability of the wind power system;
- Condition-monitoring techniques;
- Optimal design methodologies;
- Modeling approaches.





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

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

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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