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Feedback Control of Wind and Water Turbines

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Deadline for manuscript
submissions:

closed (30 April 2021)

Message from the Guest Editor

Dear Colleagues,

We are currently inviting submissions for a Special Issue of *Energies* on the subject *Feedback Control of Wind and Water Turbines*. Turbines are a maturing area of energy harvesting in the field of renewables. Feedback control enhances this effectiveness, reduces variability in operation, and increases the efficiency of operation of turbines from very small to extremely large. This Special Issue will present new results in the application of advanced feedback control strategies and methods in application to turbine speed regulation and energy extraction.

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

- Wind turbine control
- Water turbine control
- Applications of optimal and robust control to turbine systems
- Wind and water speed estimation
- Individual Blade control
- Generator and electronic systems control
- Blade vibration control methods
- Use of neural networks, machine learning and AI for modeling and control of turbines
- Adaptive methods in turbine control

Prof. Dr. Jeff Pieper

Guest Editor



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Special Issue



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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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