Innovation in Wind Turbine Blade Design and Aeroelasticity

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Message from the Guest Editor

Dear Colleagues,

This Special Issue "Innovation in Wind Turbine Blade Design and Aeroelasticity" aims to discuss a set of new innovative blade designs, design methods, and its aeroelastic responses for both HAWT and VAWT.

Topics will broadly include but are not limited to:

- Innovative blade designs;
- State-of-the-art blade design process;
- Wind turbine aeroelasticity;
- Numerical design method/tool development for blade design/analysis such as nonlinear ROM, modal approach including torsional degree of freedom, a new beam model, etc.;
- Wind turbine blade design considering environmental impacts such as blade icing in cold climates, blade erosion, noise mitigation, etc.

Prof. Dr. Taeseong Kim
Guest Editor

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Special Issue

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Message from the Editor-in-Chief

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