Remote Sensing of Atmospheric Conditions for Wind Energy Applications

Message from the Guest Editors

Dear Colleagues,

We welcome submission on all aspects of remote sensing for wind energy and atmospheric boundary-layer application. This includes the above-mentioned topics and those listed below.

- Lidar, sodar, radar, and other ground-based remote sensing
- EO data from SAR, scatterometer and passive microwaves
- EO-based surface roughness and terrain elevation
- Remote sensing contribution to wind energy, wind resources, boundary-layer, and wind-power meteorology
- Remote sensing in atmospheric turbulence and wind-flow modeling
- Remote sensing in wind tunnels
- Remote sensing for wake of wind turbines and wind farms
- Remote sensing application in forecasting of winds and wind power
- Remote sensing for control of wind turbines and wind farms
- Remote sensing for the wind turbine blade erosion environment
- Theoretical and experimental issues within remote sensing for wind energy