# Special Issue

# Remote Sensing of Atmospheric Conditions for Wind Energy Applications

### Message from the Guest Editors

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

### Guest Editors

Prof. Dr. Charlotte Bay Hasager

Wind Energy Department, Technical University of Denmark, Frederiksborgvej 399, DK-4000 Roskilde, Denmark

Dr. Mikael Sjöholm

Wind Energy Department, Technical University of Denmark, Frederiksborgvej 399, DK-4000 Roskilde, Denmark

### Deadline for manuscript submissions

closed (1 November 2018)

**Remote Sensing**

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/9930

*Remote Sensing*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

# Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

## About the Journal

### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

### Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

### Author Benefits

**Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

**Journal Rank:**

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)