Remote Sensing Methods and Applications for Traffic Meteorology

Message from the Guest Editor

Dear Colleague,

The interest in remote sensing methods expressed by key customers and providers of aeronautical meteorology products has increased recently for manifold reasons:

- The need to generate automatic METARs requires more sophisticated methods to reach the same standard of quality of human observers.
- Airport collaborative decision making calls for direct integration of automated meteorological data into systems of airlines and airports.
- Advances in telecommunications allow for direct broadcast of modelled and observed data into the cockpit to enable the pilot to use real-time remote sensing information en route.
- Exploitation of new and future observation systems based on radar and satellite measurements promises unprecedented capabilities for global 24/7 weather surveillance.

Submission of papers on the above-mentioned topics is invited, special focus on automated synergetic systems which provide customized interpretation of the collected data is particularly welcome.

Dr. Matthias Jerg

Guest Editor