Special Issue

Extraterrestrial Influences on Remote Sensing in the Earth's Atmosphere

Message from the Guest Editors

Propagation properties of the electromagnetic signals used for different kinds of remote sensing depends on the atmospheric parameters, such as the electron density and temperature. Spatial and temporal variations of these parameters affect signal propagations and, consequently, corresponding applications of the used technique such as observations and positioning. One of the most important sources of the atmospheric disturbances is solar electromagnetic and charged particles radiation. In addition, cosmic rays, including both electromagnetic and particle radiation, can provide enough intensive perturbations of the outer Earth's layer that can affect the signal propagation path. The sources of these perturbations can be relatively close to our planet, but also can be located in the deep Universe. Perturber intensities, lengths and locations in the Earth's atmosphere can be quite different, which can induce various signal deviations.

Guest Editors

Dr. Aleksandra Nina

Prof. Dr. Milan Radovanović

Prof. Dr. Luka Č. Popović

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

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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

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