Forecasting Cloudiness Using Remote Sensing Techniques and Sky Camera Imagery

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Message from the Guest Editors

Dear Colleagues,

Many resources have been invested in promoting studies that reveal the impact of cloud cover on different types of systems, as well as in predicting when a cloud front may affect a specific geographical point.

To achieve these objectives, the first phase of cloud detection has traditionally been carried out with visual inspections by humans, but this has been relegated to the appearance of new technologies that have made automation and optimization possible in comparison with these more primitive techniques. In this sense, sky cameras play a very important role, since they are devices capable of capturing the appearance of clouds in the sky, providing a view of the sky from a terrestrial perspective. The growing appearance and improvement of these devices is allowing us to precisely and with certainty detect and monitor clouds, which can have great importance in any environment, especially those operated under renewable energy sources, becoming parties that contribute to improve the performance of equipment and systems involved.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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