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Monitoring and Assessment of Energy Consumption through Remote Sensing

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Message from the Guest Editor

While metering data are increasingly being made available to the public and researchers, which has enhanced our understanding of energy end use, the vast majority of the world's population is under-metered. Thus, generating spatio-temporal measurements that are not meter-based has become an important tool for modeling and forecasting. Over the past several decades, remote sensing technologies (instrumentation and analysis techniques) have been developed for this task using a variety of overhead and ground-based platforms to quantify the characteristics of energy consumption and end use on multiple spatiotemporal scales. In addition, tremendous progress in the fields of computer vision and machine learning has opened up significant opportunities for the analysis of large-scale remote sensing data.

This Special Issue is focused on leveraging new and state-of-the-art remote sensing techniques for measuring and monitoring energy consumption at multiple spatial and temporal scales in both urban and rural environments.

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Message from the Editorial Board

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