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Developments in Solar Energy Resource Assessment and Economics

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Deadline for manuscript submissions:
closed (10 June 2021)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue, we attend to the fundamentals of measuring of light for solar photovoltaic energy conversion, or solar energy resource assessment (SERA). We hope to draw in contributions that will emphasize the importance of light measurement as an essential tool in understanding the spatiotemporal factors that affect our rapidly growing fleet of new electricity coming from solar photovoltaics.

In this Special Issue, we focus on the innovative developments and synergies occurring in radiometry, forecasted irradiance, data management, and the diverse technoeconomic applications of solar resource datasets.

Potential topics include, but are not limited to:

- Radiometry (spectral, components, networked)
- Solar resource assessment for developing nations
- Data management, e.g., processing, storage, transparency;
- Light/power forecasting and machine learning;
- Light-coupled technoeconomic performance modeling
- Solar services for power producers or land management
- Economics of radiant energy datasets

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Message from the Editor-in-Chief

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