Special Issue

Solar Applications in the Public Space

Message from the Guest Editors

Solar mapping in the urban environment is generally focused in quantifying rooftop or facade potential. However, installing photovoltaic-based applications in public open spaces, has distinct requirements to rooftop PV systems that are not generally considered. We can anticipate that soon areas now reserved to cars will be gradually replaced by new revigorated public spaces where innovative smart urban furniture will be a common presence. Such urban solutions, from charging stations to information stands, intelligent waste bins or smart lightning, among others, can benefit from solar power. In this Special Issue we are interested in novel approaches, methods and tools for assessing the potential of solar energy in the public space, using remote sensing and geographical modelling. Topics of interest include: 1) methods to measure solar resources in the public space; 2) sizing PV-based street furniture in shared urban areas; 3) quantifying the influence of the built environment in solar availability; and 4) other relevant applications in urban solar modelling.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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