



Solar Potential in the Urban Environment

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Message from the Guest Editors

Dear Colleagues,

The adoption of solar energy is a key element for supporting cities, neighbourhoods and streets moving towards low carbon energy. The complexity of urban forms and shadowing effects produced by distinct morphologies makes urban environments challenged sites for solar power generation. State of art methodologies generally focus on the city surface in general or rooftops in particular. Novel Photovoltaic-based urban solutions, that have distinct requirements than rooftop PV systems, are not usually considered. Therefore, new approaches and tools to assess solar capture in public spaces are required for the assessment of local solar potential considering other urban surfaces rather than rooftops.

This special issue intends to present original and multi-disciplinary approaches for evaluating the solar potential of urban environment. Authors are challenged to explore how the public spaces could contribute to power generation through solar systems built on outdoor surfaces. Contributions concerning the main challenges, social, economical and environmental barriers, opportunities and strategies for solar implementation in the urban context are also welcomed.





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