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Solar Energy Conversion Systems in the Built Environment

Guest Editors:

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Deadline for manuscript submissions:
closed (10 August 2023)

Message from the Guest Editors

Papers in this Special Issue should be related to the built environment and may discuss (but are not limited to) the following:

- Solar energy potential;
- Design of solar energy conversion systems;
- Estimation/forecasting of electrical/thermal energy;
- Electrical/thermal energy storage;
- Shading;
- Smart self-consumption of PV energy in local micro-grid;
- Hybrid renewable energy systems;
- Applications on/near buildings (BIPV, BAPV, BISTS, facades, street lighting, etc.);
- Architectural integration aspects;
- PV and sustainable transport facilities;
- Bifacial PV, PVT and CPV systems;
- Sun-tracking systems;
- nZEB/NZEB with solar energy conversion systems;
- Building energy management systems and solar energy conversion systems;
- Artificial intelligence applied in PV systems and solar radiation.

This Special Issue aims to collect outstanding research and development outcomes from all over the world that contribute to a larger implementation of solar energy conversion systems to help shape the sustainable cities of the future.

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Message from the Editor-in-Chief

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