



## Solar Energy Harvesting, Storage and Application

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Deadline for manuscript  
submissions:

**closed (20 December 2019)**

### Message from the Guest Editor

The associated PV modules, energy storage systems, MPPT techniques, DC–DC converters, and control methods are crucial in order to perform critical global targets in energy efficiency and fault tolerant operation. Topics of interest for publication include, but are not limited to, the following:

- Materials for highly efficient solar cells;
- PV systems: power and energy architectures, energy management, advanced control method under healthy and faulty conditions, and islanded PV systems;
- Energy storage for PV systems: batteries, electrochemical capacitors, super capacitors, and hybrid energy storage;
- Monitoring of aging and supervision of energy storage systems;
- Power electronics interface for PV systems and associated storage: DC–DC conversion, DC–AC inverters, design and control of emerging converters topologies, fault tolerant operation and diagnosis, reliability, power quality, and power density;
- Maximum power point tracking techniques;
- PV systems modeling and control: modeling and control including energy storage, methodologies, and application cases, including safety critical operation.





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## Message from the Editor-in-Chief

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