

## Special Issue

# Research Advances in Building-Integrated Photovoltaics and Its Integration with Other Energy Systems

### Message from the Guest Editors

This Special Issue will focus on two components: one is targeted study improving BIPV systems and proposing new BIPV systems, while another is an extended study on linking BIPV with many other relevant energy systems such as Integrated Energy Systems, Data Centers with PV supply, larger-scale energy storage with integration of BIPV, etc. Both of these aspects should be deepened and supported by in-depth numerical simulations; experimental tests, design, and optimizations; demonstrations; case studies; etc. There are no limits to research methods, but it is required that new advances in system efficiency and environmental benefit are presented. Based on the two major aspects discussed above, some specific themes include, but are not limited to,

- New BIPV envelopes, including window, wall or roof;
- New materials for BIPV;
- Model advances for complex BIPV;
- BIPV with PCM;
- Design and optimization BIPV methods;
- BIPV with integrated energy systems;
- BIPV for data centers;
- BIPV for large-scale energy-storage systems;
- Other BIPV-related investigations

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### Guest Editors

Dr. Yongqiang Luo

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Dr. Zhiyong Tian

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### Deadline for manuscript submissions

closed (30 September 2023)



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