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Advanced Power Generation and Conversion Systems, 2nd Edition

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Deadline for manuscript submissions:

15 December 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue follows the publication of the first volume focusing on "Advanced Power Generation and Conversion Systems". The main aim of this Special Issue is to obtain a complete overview of advanced materials, devices, technologies, and control logics in terms of power generation and conversion systems.

The topics of interest include, but are not limited to, the following:

- H2-based generation;
- On-shore and off-shore wind generation;
- Hydropower;
- Multi-vector generation;
- Cogeneration;
- Tri-generation;
- Biomass;
- V2G:
- Storage (Li-ion, SuperCap, Flow batteries, hybrid);
- Nuclear generation;
- Advanced materials for power generation;
- HVDC systems;
- Statcom systems;
- Solid state transformers;
- Grid-forming inverters;
- Conversion interface;
- Advances materials and solution for power converters;
- Planning, margagement methodology;
 Control logics: OCCIASSUE



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• Virtual inertia provision.







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Message from the Editor-in-Chief

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