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Sustainable Energy System for Nearly Zero-Energy Communities and Buildings

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Deadline for manuscript submissions:
closed (7 October 2023)

Message from the Guest Editor

With the large-scale promotion of nearly zero-energy buildings, the nearly zero-energy communities have gradually become the new form of modern large-scale urban. However, there are still many scientific challenges for energy systems of nearly zero-energy communities and buildings, such as renewable energy utilization, match between supply and demand, indoor thermal comfort improvement, etc.

This Special Issue collects research articles and critical reviews about scientific and technical information on recent advances in nearly zero-energy communities and buildings for sustainable development. Both qualitative and quantitative studies, as well as empirical and theoretical contributions are welcomed.

The primary areas of interest of this Special Issue include, but are not limited to:

1. Low/zero carbon emission buildings and communities;
2. Renewable energy utilization and consumption;
3. Optimization design methods of energy system;
4. Advanced modelling and building simulations;
5. Indoor thermal comfort;
6. Energy storage technology;
7. Load demand responses.

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Message from the Editor-in-Chief

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