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Building Energy Audits-Diagnosis and Retrofitting towards Decarbonization and Sustainable Cities

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Building audits, in one form or another, can be used to systematically collect the necessary data in order to gain adequate knowledge and a better understanding on the operations, energy use and prevailing indoor conditions of buildings. Topics of interest for this Special Issue include, but are not limited to:

- Methods and tools for building energy audits, surveys, diagnosis, inspections, assessment;
- Energy efficiency and conservation measures;
- Calculation, measurement, and verification of energy savings;
- Energy performance contracts and certificates, risk analysis, and assessment;
- Benchmarking energy use and carbon intensity, baselines and breakdown for end uses, financial assessment, and cost analysis;
- Facilitating audits, inspections, and data collection using information from smart systems, remote data collection and virtual audits;
- Exploiting automated processes using novel methods to collect and process data for large-scale built environments from geographic information systems (GISs) and global earth observations (GEOs), among others;
- Quantifying energy and carbon savings from renovations of large portfolios of buildings and building stocks;



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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