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Emerging Research on the Energy and Thermal-Hygrometric Optimization of Buildings and Related Systems

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Deadline for manuscript submissions:
closed (10 September 2024)

Message from the Guest Editors

Many research fields are aimed at finding solutions that fully exploit renewable energy sources in civil sectors and at the same time reduce building energy consumption. The aim of the Special Issue is to spread the most significant research contributions dealing with the following topics (all in the field of the energy and thermal-hygrometric optimization of buildings and related systems):

- High energy efficiency, Nearly, Net and Plus Zero Energy Buildings;
- HVAC system and energy-saving;
- Geothermal energy system;
- Heat Exchangers ;
- Integration of Renewable Energy Sources ;
- Heat metering;
- Innovative renewable energy systems or components ;
- Innovative high energy efficiency systems and components (heating, cooling, domestic hot water, lighting, etc.);
- Energy dynamic simulation of buildings and related systems;
- Thermal insulation and thermal parameters of the building envelope components;
- Thermal behavior of the building envelope in winter and in summer;
- Thermal comfort and indoor air quality in civil buildings.

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Message from the Editor-in-Chief

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Journal Rank: CiteScore - Q1 (Control and Optimization)

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