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Modelling of Thermal and Energy Systems

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Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editor

This Special Issue focuses on the analysis, design, validation, response, and implementation of Modelling of Thermal and Energy Systems. The topics of interest for the Special Issue include (but are not limited to):

Modelling of thermal systems;
Modelling of complex energy systems;
Thermal correlations Modelling;
Two-phase flow Modelling;
Heat exchangers Modelling and design;
Modelling of internal combustion engines;
Reliability and failure detection Modelling;
Air conditioning and refrigerant systems;
Computational fluid dynamics (CFD) for thermal and energy systems;
Modelling of thermal processes (evaporation and condensation);
Modelling of energy flows;
Optimization and efficiency use of energy systems;
Renewable energy models, thermal and PV solar energy, wind, biomass, biofuels, etc.;
Modelling of the desalinization process;
Thermal energy storage Modelling;
Modelling of building energy consumption, isolation of buildings, etc.



mdpi.com/si/28430

Special Issue



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Message from the Editor-in-Chief

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