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Thermodynamics for Net-Zero Energy Systems

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Deadline for manuscript submissions:
closed (10 March 2023)

Message from the Guest Editors

Dear Colleagues,

Knowledge of thermodynamic and thermophysical properties of relevant materials and fluids is fundamental for the development and optimal operation of energy processes. Properties of interest include (but are not limited to) phase behaviour, density, viscosity, thermal conductivity, and latent heat. Moreover, these properties are also essential in developing physical models used in the design of low-carbon energy processes. A good prediction of the system properties through thermodynamic and thermophysical properties models used in process simulation can significantly reduce energy consumption. This Special Issue will bring together cutting-edge studies from leading researchers in the areas of thermodynamic and thermophysical properties measurement and modelling relevant to processes such as CCS, CO₂ utilisation, low-carbon fuels, and energy storage.

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Special Issue



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Message from the Editor-in-Chief

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