



## Thermal Transport for Sustainability

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Deadline for manuscript  
submissions:

**closed (15 September 2023)**

### Message from the Guest Editor

This Special Issue aims to encourage authors to share their new advances in thermal transport that could contribute to sustainability, from physics, materials science, electronics, and machine learning perspectives. Many studies have been carried out highlighting the importance of thermal management to improve heat dissipation, increasing the efficiency of processes and reducing their energy consumption.

To study thermal transport, the Fourier law has been widely used, which works for steady-state situations and in bulk samples. When the sample size is reduced to the micro or nano scale, with complex geometries or grating, and/or when the heating conditions are performed at high-frequency time scales, the Fourier law cannot be longer applied. The heat is not transferred in a diffusive manner, but other transport regimes such as ballistics, quasi-ballistics or hydrodynamics may appear.

In this Special Issue, we seek relevant contributions in these beyond-Fourier transport regimes from a fundamental point of view. Works dealing with first principle calculations, finite element modelling and machine-learning techniques are welcome.





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## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

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## Message from the Editor-in-Chief

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