Special Issue

180th Anniversary of Ludwig Boltzmann

Message from the Guest Editors

It was with the publication of the paper "Weitere Studien uber das ärmegleichgewicht unter Gasmolekulen" that, in 1872, Ludwig Boltzmann began the development of the kinetic theory by introducing the idea of monads in a modern key and by highlighting the necessity of employing statistical methods in physics. To celebrate the 180-year anniversary of the birth of Ludwig Boltzmann, we present this Special Issue that aims to collect high-quality reviews and original research papers in statistical physics and related topics. Works focusing on the success and future challenges of the theoretical foundations and applications of statistical mechanics, as well as in machine learning, information theory, and, more in general, complex systems applications are welcome. Critical analyses and historical reviews on thermodynamics and statistical mechanics are also within the scope of this Special Issue.

Guest Editors

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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