Special Issue

Non-equilibrium Phase Transitions

Message from the Guest Editors

Nonequilibrium phase transitions is a broad research field emerging in many natural phenomena that operate intrinsically out of the equilibrium, in which the detailed balance and the full theoretical toolbox of equilibrium statistical mechanics are usually not applicable. Nevertheless, fundamental concepts such as universality, criticality and discontinuous transitions have been widely extended to the nonequilibrium realm whose interest have been burst with solid experimental evidences and interdisciplinary applications in the last decade. We would like to invite you to contribute to a Special Issue in *Entropy* entitled "Non-Equilibrium Phase Transitions". The title is deliberately broad and we would hope to gather together a broad spectrum of contributions raging from the foundational to applied problems including theoretical, simulational, and experimental approaches.

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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.

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