Special Issue

Editorial Board Members' Collection Series: Nonequilibrium Dynamics and Statistical Theory in Plasmas Physics

Message from the Guest Editors

Plasmas in nature and laboratories are often strongly nonlinear, far from equilibrium. With the ability to be excited on a broad range of scales, numerous instabilities cause anomalous transport, events of large amplitude or intermittency. In fact, plasmas found in laboratories (e.g., magnetically confinement fusion) and nature (e.g., the Sun, stars) constitute an example of nonequilibrium systems wherein multiple scales are excited and interact with each other in a complex way, a proper description of which has always been a challenge in many disciplines. This Special Issue aims to present different approaches to this challenging problem in plasmas by going beyond equilibrium statistical mechanics. Submissions reporting recent developments in theory, numerical simulations and experiments are especially welcome.

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Editor-in-Chief

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