MPIDS Colloquium

MAX-PLANCK-GESELLSCHAFT

Out of equilibrium: Statistical mechanics with various ways to violate detailed balance and fluctuation-dissipation relation

Prof. Dr. Alexander Grosberg

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This talk will start from the simplest Langevin equation for a single particle and consider what happens if fluctuation-dissipation relation is violated. While we are used to the idea of energy barriers (Boltzmann limit), in this context we will face force barriers (Sisyphus limit), leading to rectification of noise, repulsive depletion, etc. Similarly, interaction with different thermostats can also cause phase separation, especially in polymers.

Wednesday, Nov 25th, 2020 at 2:15 pm

MPIDS, video conference at www.zoom.us
Meeting ID: 959 2774 3389
Passcode: 651129, direct link

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