

Theoriekolloquium

Am **21. April 2016** um **14.15 Uhr** in **W2 1-143** hält

Herr Dr. Matthias Krüger (Stuttgart)

einen Vortrag mit dem Titel

Fluctuation induced interactions in and out of equilibrium

Fluctuations of a medium lead to interactions between embedded objects. Such interactions, first predicted for the (quantum) electromagnetic field by Hendrik Casimir more than 60 years ago, have in recent years attracted considerable attention in a variety of systems, including also soft matter. In this presentation, I will mostly focus on objects in vacuum that interact via electromagnetic fields, especially emphasizing the properties and theoretical concepts for systems in non-equilibrium situations: Fluctuational interactions (forces) in out-of-equilibrium situations pose additional theoretical challenges and insights, and allow for a variety of effects that are ruled out in equilibrium.

Interessierte sind herzlich eingeladen.

gez. PD Dr. Svend-Age Biehs