

Theoriekolloquium

Am **11. Mai 2023** um **14.15 Uhr** im Raum **W2 1-143** hält

Herr Dr. Diego Rybski (Potsdam)

einen Vortrag mit dem Titel

Selected aspects of Urban Complexity

New city science is dedicated to the study of cities and urban systems with concepts and methods originating in complex systems science and statistical physics. Many properties make cities a prime example of a complex system. Cities consist of networks, include flows, exhibit fractality, and power-laws in general. They are modeled by means gravitational approaches as well as drawing on similarities with percolation theory. In this presentation I give an overview and provide a closer look into three topics. First, spatial explicit gravitational growth. Second, percolation of urban space. Third, correlations between city size distribution and urban scaling of socio-economy exponents. I resume with an outlook providing perspectives.

Interessierte sind herzlich eingeladen.

gez. Prof. Dr. Alexander Hartmann