Institut für Optimierung und Diskrete Mathematik

**Vortrag im Seminar Diskrete Mathematik und Optimierung**

Dienstag 12.03.2013, 14:15

Seminarraum C208, Steyrergasse 30, 2. Stock

# Ramsey properties of random discrete structures

## Yury Person

### (Freie Universität Berlin)

An exciting research direction in combinatorics in the last twenty years has been to transfer classical results such as Ramsey's theorem, van der Waerden's theorem, Szemerédi's and Turán's theorems and their generalizations to random and pseudo-random settings.

In my talk I will discuss some recent and not so recent Ramsey-type theorems for random graphs, hypergraphs and random subsets of integers and some sharp threshold phenomena that occur.

Parts of my talk are based on joint works with Luca Gugelmann, Angelika Steger and Henning Thomas, and with Ehud Friedgut, Hiệp Hàn and Mathias Schacht.

Mihyun Kang