



# Mathematisch-Physikalisches Kolloquium

am **27.11.2012** um **17:15** Uhr  
im Kleinen Physikhörsaal (F342, Welfengarten 1)

## ***Graded representation theory of symmetric groups and Hecke algebras***

**Prof. Dr. Alexander Kleshchev**

University of Oregon at Eugene, z.Zt. Universität Stuttgart

### **Abstract:**

I will speak on the recent development in representation theory of symmetric groups and related Hecke algebras which began with a discovery, joint with Brundan, of an explicit isomorphism between the group algebra of the symmetric group and the newly defined algebras of Khovanov-Lauda and Rouquier (KLR algebras). The latter algebras are graded, and they provide many new viewpoints on classical questions of representation theory.

Eingeladen von Prof. Dr. Christine Bessenrodt