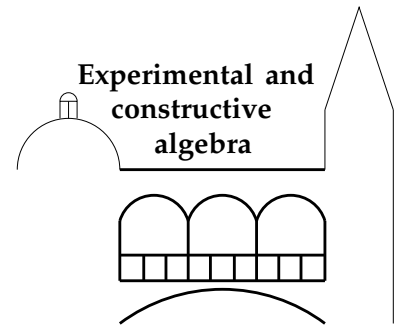


Graduiertenkolleg

# Experimentelle und konstruktive Algebra



## Kolloquiumsvortrag

Dienstag, 31. Januar 2017, 14:00 Uhr, SeMath

**LUCIA MOROTTI (LEIBNIZ UNIVERSITÄT HANNOVER):**

***Irreducible tensor products of representations of symmetric groups***

In general tensor products of irreducible representations of degree greater than 1 are not irreducible. For example there are no such irreducible tensor products for the symmetric groups in characteristics 0. There are however some such products in positive characteristics. In the first part of the talk I will show that, for symmetric groups, irreducible tensor products of representations of degree greater than 1 can be easily classified and can only happen in characteristics 2. In the second part of the talk I will show how to complete the proof of the classification (first formulated by Gow and Kleshchev as a conjecture) of irreducible tensor products of representations of symmetric groups in the remaining case  $p = 2$  and  $n$  even.

Wir laden alle Interessierten herzlich ein.