



# Oberseminar

zur

## Algebra und Algebraischen Kombinatorik

**Dr. Chris Bowman**  
(University of Kent at Canterbury)

**"A path theoretic approach to simple representations  
of symmetric groups"**

We discuss some new results concerning simple representations of symmetric groups and more general complex reflection groups. We provide new degree-wise upper bounds for all decomposition numbers and provide a homological construction of "completely splittable" simple representations. We generalise these ideas and the familiar notions of generic behaviour and the stability obtained by "tensoring with the determinant" to all cyclotomic Hecke algebras.

**Donnerstag, 14.06.2018**  
**ab 14:15 Uhr, a410**

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik