



Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

**Prof. Dr. Stephanie van Willigenburg**  
(The University of British Columbia, Canada)

## "Maximal supports and Schur-positivity among connected skew shapes"

The Schur-positivity order on skew shapes is denoted by  $B < A$  if the difference of their respective Schur functions is a positive linear combination of Schur functions. It is an open problem to determine those connected skew shapes that are maximal with respect to this ordering.

In this talk we see that to determine the maximal connected skew shapes in the Schur-positivity order it is enough to consider a special class of ribbon shapes. We also explicitly determine the support for these ribbon shapes. This is joint work with Peter McNamara.

### Termin

**Mittwoch, 06.06.2012**  
**ab 14:15 Uhr, Raum a410**

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik