



Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

**Sira Gratz**

(University of Oxford)

## "Cluster algebras of infinite rank"

This talk starts with a short introduction to cluster algebras. We will have a closer look at the cluster algebra of type  $A_n$ , whose cluster structure corresponds to the combinatorics of triangulations of the  $n+3$ -gon. This idea can be extended to the infinite case, motivated by results by Holm and Jørgensen, who have found a category, whose maximal 1-orthogonal subcategories correspond to triangulations of the  $\infty$ -gon.

**Montag, 11.04.2011**

**ab 14:00 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