



Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

**Prof. Dr. Thorsten Holm**  
(Leibniz Universität Hannover)

## „Friezes and dissections of polygons“

(Report on joint work with Peter Jorgensen) A classic theory of Conway and Coxeter describes all frieze patterns over positive integers via triangulations of polygons. In this talk we will explain how one can obtain more generally friezes from arbitrary dissections of polygons. These friezes have entries in certain subrings of the real numbers. We provide generalizations of many facets of the classic theory, e.g. insertion/removal procedures on the quiddity cycle, combinatorial algorithms for computing frieze entries and formulae for determinants of matrices attached to the friezes.

**Donnerstag, 11.05.2017**  
**ab 14:15 Uhr, Raum a410**  
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik