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Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

**Jun Wang**  
(Leibniz Universität Hannover)

## "Affine bicharacters of rank two"

In recent years, research on Nichols algebra produced fairly many achievements, in particular, classifications of Nichols algebras. The Weyl groupoid of a bicharacter is an effective tool and the key to an understanding of Nichols algebras of diagonal type.

In this talk, firstly, a brief introduction about the Nichols algebra will be made. Then we will introduce the notion of a bicharacter and explain the relation between bicharacters and Nichols algebras. In the third part, we will discuss the method by which we can get the associated Weyl groupoid from a fixed bicharacter, and how to decide whether a given Weyl groupoid comes from a bicharacter. A concrete example will also be given.

**Montag, 20.07.2015**  
**ab 14:15 Uhr, Raum a410**  
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik