



# Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 13. Dezember 2016**

17 Uhr s.t., Geom H4

Prof. Dr. István Heckenberger  
(Philipps Universität Marburg)

***Hopf algebras, Nichols algebras  
and root systems***

## Abstract:

The theory Hopf algebras enjoys growing interest since more than 50 years. Some of its areas use tools from analysis, others from topology, algebra or combinatorics, or a mixture of these. Typically, Hopf algebraic structures come with many symmetries. In the talk I will discuss some algebraic questions towards the classification of Hopf algebras and how these are related to generalizations of Coxeter groups and root systems.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.