

Otto-von-Guericke-Universität Magdeburg
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Herr Dr. Joshua Maglione
(Universität Bielefeld)

über das Thema

**Zeta functions and flag Hilbert-Poincaré series of
hyperplane arrangements**

Zoom-Koordinaten: Zoom Meeting-ID 971 4945 5855, passcode 490213

Zeit: Dienstag, 16. November 2021, 13.00 Uhr

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Dr. Yuri Santos Rego

Abstract: We define a class of multivariate rational functions associated with hyperplane arrangements called flag Hilbert-Poincaré series, and we show these rational functions are closely related to Igusa local zeta functions and other enumeration problems in algebra. We report on a general self-reciprocity result concerning these series and explore other connections within algebraic combinatorics. This is joint work with Christopher Voll.