

Otto-von-Guericke-Universität Magdeburg  
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

Frau Jun.Prof. Dr. Maria Beatrice Pozzetti

(Universität Heidelberg)

über das Thema

## **The real spectrum compactification of character varieties**

**Der Vortrag findet online statt.**

Zoom Meeting: ID 971 4945 5855, passcode 490213

**Zeit:** Dienstag, 11. Januar 2022, 13.00 Uhr

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Prof. Dr. Petra Schwer

**Abstract:** I will introduce the real spectrum as an useful tool from real algebraic geometry to organize all actions on buildings arising in compactifications of character varieties. In particular this provides a robust compactification of the so-called higher Teichmüller theories, connected components of character varieties only consisting of properly discontinuous actions of fundamental groups of surfaces on character varieties. I will describe interesting actions on buildings arising this way.