



## Hauptvortrag/Plenary lecture

Freitag/Friday, 10:30, Wolfgang-Paul-Hörsaal

### Higher Thurston Theory

FRANÇOIS LABOURIE

We shall explain how the study of (some) representations of the fundamental group of a compact surface in  $SL(n, \mathbb{R})$  leads to a generalisation of Teichmüller theory thought of as a dictionary between geometry and dynamical systems. We shall concentrate on the approach describing these representations as 'crossratios'. We shall also explain a uniformisation conjecture which would link the subject to vector bundles over Riemann moduli space and partial results toward this conjecture.