

# Algebra Seminar

**Speaker:**

**Dr. Yorck Sommerhäuser,  
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**Wednesday, January 18, 2017**

**1:00 p.m., HH-3017**

**The Modular Group and its Presentations**

**Abstract:**

The homogeneous modular group is the group of two times two matrices with integer coefficients. It can be presented in various ways by using a set of two generators. In the talk, we describe three such presentations, exhibit the relations between the generators in each of the cases, and prove that these relations are defining.