# ZURICH GRADUATE COLLOQUIUM

*Wednesdays, 13-15 (FIM Tea to follow)*
*Hermann Weyl Zimmer (HG G43, ETH Zentrum)*

*Speaker:* **Göran Kirchner**
*Title:* **Multiplicities for $\mathbf{SL_1(D)}$**

*Date:* Wednesday, June 9th

*Abstract:* The local Langlands correspondence for $GL_n(F)$ is a non-abelian generalization of the reciprocity law of local class field theory. One may thus obtain information about the absolute Galois group of $F$ in terms of the more elementary object $GL_n(F)$. A variant of this gives a relation between the Galois group and a more general division algebra over $F$. We study how well the properties of the Galois group are reflected by their easier division algebra counterparts, and give an answer to this question in a particular situation, namely the restriction to a special subgroup. The goal of this talk, aimed at the nonspecialist, is to state the main results with some motivation and necessary definitions.

http://www.math.ethz.ch/graduate/colloquium
*email :* gradcoll@math.ethz.ch