

**Oberseminar Geometrie**  
Department of Mathematics  
University of Fribourg  
Seminar room, Lonza dependence  
**Wednesday January 18, 2012, 10:20-12:00**



**Jim Anderson (Southampton)**

## **Subgroups of classical and non-classical Schottky groups**

A Schottky group is a Kleinian group (that is, a discrete subgroup of the orientation-preserving isometries of hyperbolic 3-space) that nicely uniformizes a handlebody. Schottky groups naturally have one of two flavors, classical and non-classical. We will begin by presenting an overview of what is known about classical and non-classical Schottky groups, including the connection of the Schottky uniformizations of a (closed orientable) surface to the Teichmüller and Moduli spaces of the surface and the outstanding uniformization problem associated to Schottky groups. We will then consider the question of the classicalness or non-classicalness of subgroups of classical and non-classical Schottky groups.