Friday, June 22\textsuperscript{nd} 2007

At 11:00 AM in Room AAC 006

To be followed by discussion;

“Lacunary Hyperbolic Groups”

Mark Sapir
(Vanderbilt University)

Target audience: doctoral students, researchers and Professors in Mathematic.

Abstract:

A lacunary hyperbolic group is a group one of whose asymptotic cones is a tree. A finitely presented lacunary hyperbolic group is hyperbolic, but infinitely presented lacunary hyperbolic groups may satisfy some extreme properties (torsion groups, groups with all proper subgroups cyclic, etc.).

There are also amenable lacunary hyperbolic groups. The talk is based on a joint work with A. Olshanskii and D. Osin.