Marc Bourdon

Title: Quasiconformal geometry and Coxeter groups (joint work with Bruce Kleiner)

Abstract: Every hyperbolic group has a canonical action on its boundary at infinity; with respect to any visual metric, this action is by uniformly quasi-Moebius homeomorphisms. This structure has a central role in the proofs of Mostow's rigidity theorem and numerous others results in the same vein, which are based on the analytic theory of quasiconformal homeomorphisms of the boundary. With the aim of extending these rigidity results to a larger class of hyperbolic groups, we study a quasi-Moebius invariant property of the boundary, called the Combinatorial Loewner Property.

Indira Chatterji

Title: Median spaces and property (T)

Abstract: We will explain the notion of median spaces as well as the notion of property (T), and show that a group has property (T) if and only if any isometric action on a median space has a bounded orbit. This is joint work with Drutu and Haglund.