

# Spring Lecture Series N.31

## Geometric Group Theory (2006)

Principal Lecturer: Martin Bridson

Professor Bridson will deliver a total of seven lectures on the state of contemporary Geometric Group Theory. Topics will include: limit groups, free group automorphisms, free by cyclic groups, dimension for groups (cohomological, topological, CAT(0), action etc.) CAT(0) spaces, the geometry of word problems, balanced presentations and the Andrews-Curtis Conjecture, Grothendieck ambiguity, Deficiency, and the conjugacy and isomorphism problems.

[2006 Spring Lecture Series Banner](#)

### Invited Speakers:

Daniel Allcock (University of Texas, Austin)

Mladen Bestvina (University of Utah)

Noel Brady (University of Oklahoma)

Jim Cannon (Brigham Young University)

Mike Davis (Ohio State University)

Peter Kropholler (University of Glasgow)

Walter Neumann (Columbia)

Mark Sapir (Vanderbilt)

John Stallings (UC Berkeley)

Karen Vogtmann (Cornell)

Tim Riley (Cornell)