

## **L-infinity cohomology of discrete groups**

**Speaker:** Francesco Milizia

**Abstract:** The L-infinity cohomology of a group  $G$ , introduced by Gersten, is the cohomology of  $G$  with coefficients in a suitable non-trivial  $G$ -module. Mirroring the corresponding theorems about bounded cohomology, L-infinity cohomology characterizes hyperbolic (as discovered by Mineyev) and amenable groups. I will talk about these results and their connection to isoperimetric inequalities in cell complexes.

**Time:** 16:00 (German time)