Algebra and Number Theory
Seminar

Group presentations: history and recent results

William Kantor
University of Oregon

Abstract: Group presentations somewhat started with Hamilton. I'll review 19th century history before getting to a recent result: almost all finite simple groups have presentations requiring surprisingly few relations (with Guralnick, Kassabov and Lubotzky). For example, all alternating (and symmetric) groups have presentations using only 3 generators and 7 relations. The proofs are relatively elementary but too long for more than a few small hints.

Wednesday, January 30, 2013, 3:00 pm
Mathematics and Science Center: W306

Mathematics and Computer Science
Emory University