TOPOLOGY SEMINAR

Guest Speaker: Andrew Putman
University of Notre Dame

Date: Tuesday, February 19, 2019
Time: 2:30 PM
Location: 258 Hurley Hall

Lecture Title:

The Johnson filtration is finitely generated

Abstract
The Johnson filtration is an important and mysterious sequence of subgroups of the mapping class group. I will prove that each term is finitely generated once the genus is sufficiently large. The main tool is the Bieri-Neumann-Strebel invariant. No prior knowledge of the mapping class group or the BNS invariant will be assumed. This is joint work with Tom Church and Mikhail Ershov.

Andrew Putman - University of Notre Dame