Algebraic Geometry and Commutative Algebra Seminar

UNIVERSITY OF NOTRE DAME

Department of Mathematics

Speaker: Stephen Oloo
Kalamazoo College

Wednesday, March 16, 2016
3:00 PM
258 Hurley Hall

Title: Generalized Moment Graphs and the Equivariant Intersection Cohomology of the Wonderful Group Compactification

Abstract:

We introduce the wonderful compactification of a semisimple adjoint algebraic group and show how to compute the (torus) equivariant intersection cohomology of Borel orbit closures in this compactification by generalizing the moment graph approach that Braden and MacPherson developed for computing equivariant intersection cohomology of Schubert varieties.