

Colloquium

University of Notre Dame
Department of Mathematics

Alex Suciu - Northeastern University

Speaker: Alex Suciu

Northeastern University



Will give a lecture entitled

Duality, finiteness, and cohomology jump loci

Date: Friday, April 5, 2019

Time: 4:00 PM

Location: 129 Hayes-Healy Hall

Departmental Tea: Tea in Room 257 (lounge in Hurley Hall) at 3:30 p.m.

Abstract:

A recurring theme in topology is to determine the duality and finiteness properties of spaces and groups. I will discuss some of the interplay between these properties, the structure of algebraic models associated to them, and the geometry of the corresponding cohomology jump loci. Furthermore, I will outline some of the applications of this theory to complex algebraic geometry and low-dimensional topology.