

Department of Mathematical Sciences welcomes

Andrew Putman Notre Dame University



February 1, 2019

Hosted by:
Prof. Dan Ramras

Tea begins at 3:00
in LD 259

Research Topic
begins at 3:30
in LD 229

The mapping class group of a surface

ABSTRACT:

The mapping class group of a surface plays an important role in many areas of mathematics, including topology, algebraic geometry, and dynamics. One of its appealing features is that its study requires a healthy balance between concrete (often visual) geometric arguments and sophisticated abstract machinery. I will give an introduction to this group, with a focus on its algebraic topology and finiteness properties.

ABOUT THE SPEAKER:

Andrew Putman is a topologist working at the intersection of geometric group theory, low-dimensional topology, and group cohomology. His work on the algebraic foundations of representation stability has been particularly influential, and was surveyed in a 2014 Seminaire Bourbaki. Putman received his P.h.D. in 2007 from the University of Chicago, under the direction of Benson Farb. After postdoctoral position at MSRI and MIT, he spent six years on the faculty at Rice University before moving to the University of Notre Dame in 2016.

