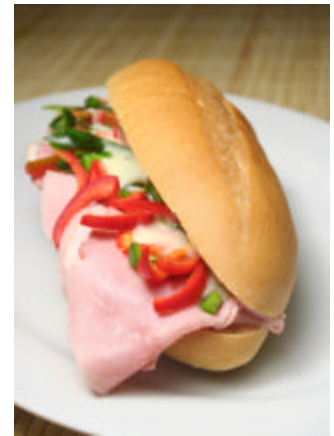# Spherical Cats and Ham Sandwiches

*First biannual
Richards Math Lecture:*
Dr. Jonathan Rogness

**TUESDAY
MARCH 30
7:00 P.M.
LIND LECTURE HALL
ROOM 126**

Jonathan Rogness is an Assistant Professor of Mathematics at the University of Minnesota. His mathematical visualizations have been featured in many publications including Science Magazine, and a mathematical video he created with Douglas Arnold has over 1.7 million views on YouTube.

Come explore topology, an area of mathematics where circles are squares and a donut is the same as a coffee cup. After learning some basic concepts we'll see examples of how topology applies in everyday life. Along the way we'll learn about one-sided surfaces, subway maps, and a theorem which has amazing consequences ranging from meteorology to ham sandwiches. We'll also learn what topology can tell us about the shape of our universe and experience 3D flythrough of various models of the universe.

This talk is accessible to a general audience