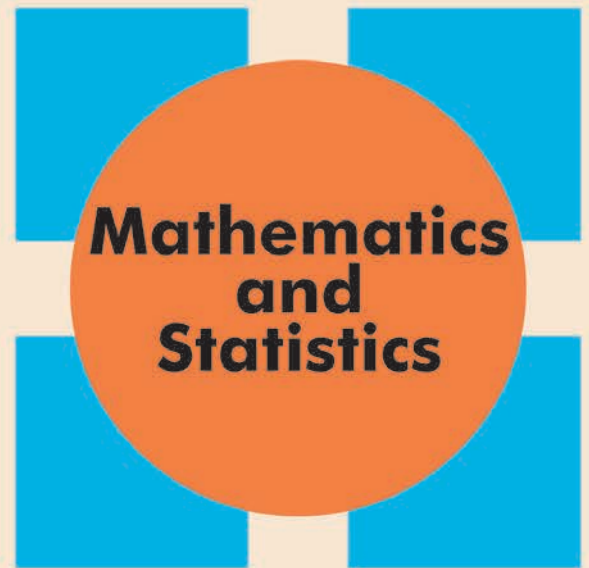


# COLLOQUIUM

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**Knots in codimension  $> 2$   
and the little discs operad**



Friday, October 20, 2017; 3:30 - 4:30 PM; ED 314

**Abstract:** A higher dimensional knot is a smooth embedding of a sphere  $S^m$  in a sphere  $S^n$ . By a classical result of A. Haefliger from 1960s, the isotopy classes of knots in codimension  $n - m > 2$  form a finitely generated abelian group, which is usually a torsion. I will explain the geometry of non-torsion generators. And then will describe a recently discovered connection between the space of higher-dimensional knots and the little discs operads.