

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

STABLE HOMOTOPY TYPE LINK INVARIANTS

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October **24**, 2017, **1:00 – 2:00pm**
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 12:45pm in Room 144

Abstract: I will discuss recent work (with Andrew Lobb and Dirk Schuetz) in developing a new flavour of invariant for knots and links which takes the form of a cell complex situated in the stable homotopy category. Invariants of this sort are designed so that the (cellular) cohomology should agree with existing knot homology theories, such as Khovanov homology. The tools which go into the construction are an interesting combination of techniques from high- and low-dimensional topology, together with ideas from classical homotopy theory. No knowledge of Khovanov homology will be assumed.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yoosik Kim (yoosik@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.