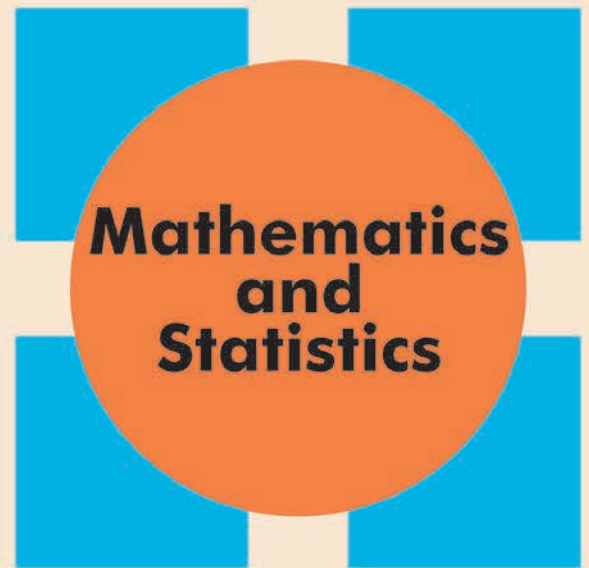


# COLLOQUIUM

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## An invitation to motivic homotopy theory



Date: September 21, 2018

Time: 3:30 - 4:30 PM

Room: RI 208

**Abstract:** Voevodsky proved the Milnor conjecture using the motivic Steenrod algebra, i.e., operations in motivic cohomology. Motivic homotopy theory allows us to import tools from topology into algebraic geometry. In this talk, I will present the basics of this theory, highlighting some similarities and differences with classical homotopy theory. I will then discuss the motivic Steenrod algebra, including some recent developments and open problems.