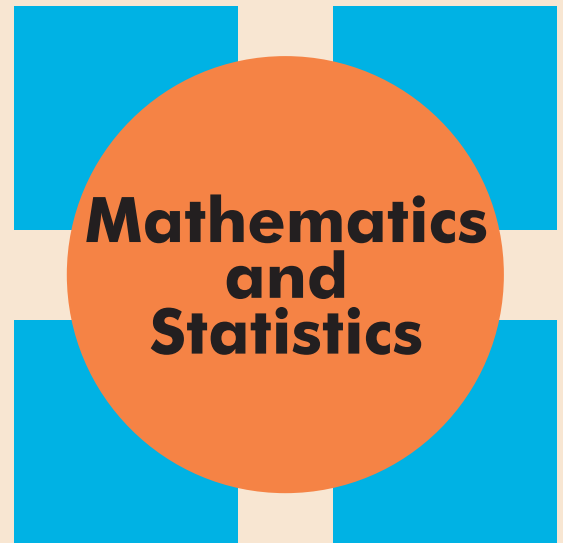


TOPOLOGY & ALGEBRA SEMINAR

Eric Primozic
University of Alberta

**Motivic Steenrod
operations in
characteristic p**



Date: Thursday March 5, 2020

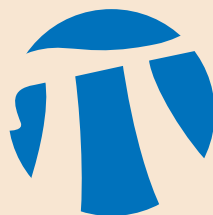
Time: 4:00 - 5:00 PM

Room: CL 251

Abstract: Let k be a field of characteristic $p > 0$. I will explain how the work of Frankland and Spitzweck gives rise to Steenrod operations on the mod p motivic cohomology of smooth schemes defined over k . By comparing the operations over a base field of characteristic p to operations defined over a base field of characteristic 0, we show that the new operations satisfy expected properties such as the Adem relations and Cartan formula when restricted to mod p Chow groups.

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