1165-14-75 **Kirill Zainoulline*** (kirill@uottawa.ca), Department of Mathematics and Statistics, University of Ottawa, 150 Louis-Pasteur, Ottawa, Ontario K1N6N5, Canada. *Localized operations on T-equivariant oriented cohomology of projective homogeneous varieties.*

In the present talk, we provide a general algorithm to compute multiplicative cohomological operations on algebraic oriented cohomology of projective homogeneous G-varieties, where G is a split reductive algebraic group.

More precisely, we extend such operations to the respective T-equivariant (T is a maximal split torus of G) oriented theories and then compute them using equivariant Schubert calculus techniques. This generalizes an approach suggested by Garibaldi-Petrov-Semenov for Steenrod operations. As an application, we provide a Riemann-Roch-type formula for the Hecke action on oriented theories of additive type. (Received January 06, 2021)