

---

**RUI XIONG**, University of Ottawa

*Automorphisms of the Quantum Cohomology of the Springer Resolution and Applications*

In this talk, we introduce quantum Demazure-Lusztig operators acting on the equivariant quantum cohomology of the Springer resolution. Our main result is a presentation of the torus-equivariant quantum cohomology in terms of generators and relations. We also provide explicit descriptions for the classical types and recover earlier results for complete flag varieties.