

**Speaker:** Bianca Viray

**Title:** Using fibrations to study Brauer classes on surfaces

**Abstract:** In 1970, Manin showed that the Brauer group can obstruct the existence of rational points. However, in order to compute this obstruction, explicit representatives of the Brauer classes are needed. We discuss two different results, one on degree 4 del Pezzo surfaces and one on double covers of ruled surfaces, that demonstrate how fibrations assist in the computation of Brauer classes. All results mentioned are joint work with either Brendan Creutz or Anthony Várilly-Alvarado.