Speaker: Jennifer Li

Title: Rational surfaces with a non-arithmetic automorphism group

Abstract: By work of Totaro, there exist $K3$ surfaces with an automorphism group that is not commensurable with an arithmetic group. We give examples of rational surfaces with the same property. Our examples Y are log Calabi-Yau surfaces, i.e., there is a reduced normal crossing divisor D in Y such that $K_Y + D = 0$. This is joint work with Sebastián Torres.