KODAIRA DIMENSION OF FIBRATIONS OVER ABELIAN VARIETIES

Speaker: Fanjun Meng
Northwestern University

Time：**Thu, Mar. 24, 8:30-9:30**

Venue: Zoom Meeting 952 6613 6871, password: SCMS

Abstract: The Kodaira dimension of smooth projective varieties is an important birational invariant. In this talk, we will discuss some conjectures on the behavior of Kodaira dimension proposed by Popa. We prove an additivity result for the log Kodaira dimension of algebraic fiber spaces over abelian varieties, a superadditivity result for algebraic fiber spaces over varieties of maximal Albanese dimension, as well as a subadditivity result for log pairs over abelian varieties. This is joint work with Mihnea Popa.