

## ***K-MODULI OF FANO THREEFOLDS***

**Speaker: Junyan Zhao**  
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**Time: Thu., Dec. 18th, 13:00-14:00**

**Venue: Room 106, SCMS**

**Abstract:** In this talk, I will show that the K-moduli space of Fano threefolds obtained by blowing up  $P^3$  along  $(2, 3)$ -complete intersection curves is isomorphic to a VGIT moduli space studied by Casalaina-Martin-Jensen-Laza. In particular, it is a two-step birational modification of the GIT moduli space of  $(3, 3)$ -curves on  $P^1 \times P^1$ . Our strategy is the moduli continuity method with moduli of lattice-polarized K3 surfaces, general elephants and Sarkisov links as new ingredients. Based on joint work with Yuchen Liu.