



# SCMS Seminar

## **ON A CONJECTURE OF KAZHDAN-POLISHCHUK**

**Speaker: Zhiyu Tian**

**Peking University**

**Time: Fri., May. 22nd, 16:00-17:00**

**Venue: Room 102, SCMS**

**Abstract:** At the 2022 ICM, David Kazhdan proposed a conjecture concerning a Brill–Noether-type variety naturally associated to any stable vector bundle of rank 2 and degree  $2g-1$  on a smooth projective curve of genus  $g$ . This is now known as the Kazhdan–Polishchuk conjecture. In this talk, we introduce a jet-scheme approach to the conjecture. This is joint work in progress with Zhixian ZHU (Capital Normal Univ.).