



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

## **SEMINAR ON PURE MATHEMATICS**

# **Geometric Langlands and co-adjoint orbits**

by

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### Abstract

Geometric Langlands can be interpreted as a mirror symmetry between the moduli space of Higgs bundle of group  $G$  via the same moduli space of its Langlands dual  $G'$ . Once we consider the insertion as a form of parabolic structure or more generally coadjoint orbit, it is clear that the conjectural mirror symmetry of moduli space of Higgs bundle requires a version of mirror symmetry between coadjoint orbits. In the talk, we will explore the possible "coadjoint orbit mirror symmetry".

**Date : 20 October 2022 (Thursday)**

**Time : 10:00am – 11:00am**

**Zoom Meeting : <https://hkust.zoom.us/j/3548208335> (Passcode: quiver)**

*All are Welcome!*