



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

**ALGEBRA AND GEOMETRY SEMINAR**

**Nilpotent orbits for classical groups**

by

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**Abstract**

Kraft-Procesi realized nilpotent orbits for classical groups as orthosymplectic quiver varieties, which are defined as quiver varieties, but replacing products of  $GL$  by products of  $O$  and  $Sp$ . Motivated by study of Coulomb branches, we introduce variants of these, which remove 'bad' behavior of nilpotent orbit closures, such as non-irreducibility, non-normality, etc. This talk is based on on-going project with Finkelberg and Hanany.

**Date : 6 November 2024 (Wednesday)**

**Time : 4:00pm - 5:30pm**

**Venue : Room 4475 (Lifts 25/26)**

*All are Welcome!*