



The Hong Kong University of Science and Technology

Department of Mathematics

Lie Theory Seminar

**Inner and Outer Automorphisms
in Lie Theory**

by

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Abstract

For many objects X , the automorphism group $\text{Aut}(X)$ is a Lie group, and its identity component $\text{Int}(X)$ is a normal subgroup.

For Lie algebras and superalgebras X , we use diagrammatic method to explore these topics:

- (a) Finer classification of structures on X up to $\text{Int}(X)$,
- (b) Computation of the group $\text{Aut}(X)/\text{Int}(X)$.

Date : Thursday, 6 June 2019

Time: 11:00 a.m. – 12:00 noon

**Venue: Room 3494, Academic Building
(near Lifts 25-26), HKUST**

All are welcome!