



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

## **ALGEBRA AND GEOMETRY SEMINAR**

# **Tautological Relations and Their Applications**

by

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### **Abstract**

Relations among tautological classes on moduli spaces of stable curves have important applications in cohomological field theory. For example, relations among psi-classes and boundary classes give universal equations for generating functions of Gromov-Witten invariants of all compact symplectic manifolds. In this talk, I will talk about such relations and their applications to Gromov-Witten theory and integrable systems.

**Date : 27 February 2024 (Tuesday)**

**Time : 10:00am – 11:30am**

**Venue : Room 3598 (Lifts 27/28)**

*All are Welcome!*