THE HONG KONG UNIVERSITY OF SCIENCE TECHNOLOGY

Department of Mathematics

MATHEMATICS COLLOQUIUM

The Influence of Exclusion Zones on Predator and Prey interaction

By

Prof. Henri Berestycki

EHESS, and University of Maryland
and IAS, HKUST

Abstract

This is about a predator-prey system where the predators are excluded from certain areas. We analyze the possibility of coexistence and the effects on the predator population. Examples are the Marine Protected Areas, or recently reported observations about how canids or felids occupy their territory. I report on joint work with Bill Fagan and Alex Safsten.

Date : 6 March 2026 (Friday)

Time : 3:00pm - 4:00pm

Venue : Lecture Theatre F (Lift 25/26)

All Are Welcome!