



## SCHOOL COLLOQUIUM

# Topology in Physics: A New and Strange World for Physicists

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### Talk Abstract

In this talk, Prof. Ng will review how the importance of topological structure of phase space (classical system) and Hilbert space (quantum system) were gradually realized in physics and explain some of the exotic phenomena (fractionalized excitations, fractionalized surface dynamics) they are implying. In particular, he will discuss some important contribution of HK physicists in this exotic voyage and the new directions of research we are undertaking.

**Date** : 4 November 2015 (Wednesday)

**Time** : 4:00 p.m.

*\*\* Refreshment will be served at 3:45 p.m. outside the lecture theatre \*\**

**Venue** : **Chow Tak Sin Lecture Theatre (LT-G)** (via Lifts No. 25/26)  
**The Hong Kong University of Science & Technology**  
**Clear Water Bay, Kowloon**

***All are Welcome!!***