

# 中央研究院數學研究所

Institute of Mathematics, Academia Sinica

## Taipei Postdoc Seminar

**Speaker** : 霍志廣 博士 Dr. Chi-Kwong Fok  
(National Center for Theoretical Sciences)

**Title** : *Representation stability and moduli spaces*

**Abstract** :

A sequence of spaces is said to be representation stable if their cohomology, when viewed as representations of their own symmetry, stabilises. Introduced by Church and Farb, representation stability is ubiquitous among various kinds of moduli spaces with permutation symmetry. In this talk I will explain this notion and discuss its appearance in the moduli spaces of flat connections over higher dimensional tori.

**Time** : 11:00 – 12:30, Wednesday, April 26, 2017

**Venue** : Room 202, Astro-Math. Buidling (NTU Campus)

**Organizer** : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

**Refreshment** : 10:30

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