



**The Hong Kong Polytechnic University  
Department of Applied Mathematics**

## **Colloquium**

**On**

**Dynamics and braids**

**by**

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### **Abstract**

In one dimensional dynamics, a famous statement is "period three implies chaos". In two dimensions, the situation is much more complicated. Braids, instead of periods, play a key role. The notion of braid forcing brings a kind of order into the tangling periodic orbits of a system. The forcing order between braids is algorithmically decidable. We shall try to focus on general notions and phenomena and avoid technicalities.

**Date : 19 February, 2013 (Tuesday)**

**Time : 3:00 p.m. – 4:00 p.m.**

**Venue : HJ610, The Hong Kong Polytechnic University**

**\* \* \* ALL ARE WELCOME \* \* \***