

## PDE/ANALYSIS SEMINAR

**Topic:** Dispersal Strategies of Biological Organisms in a Heterogeneous Environment

**Speaker:** Prof. Yong Jung Kim, Korea Advanced Institute of Science and Technology

**Time:** 16:15-17:15, 26 February 2014

**Venue:** Room 371, Geography Building, 3663 Zhongshan Road North, Shanghai  
(华东师范大学中山北路校区, 地理楼 371 室)

### ABSTRACT OF THE TALK

The migration strategy of a biological species is one of the key ingredients for the survival of the species. In this talk I will briefly discuss simple mathematical models and their properties in the context of competition and chemotaxis models. We will also briefly discuss about thermal diffusion which is a chemistry version of the theory.

### BIOGRAPHY

Yong Jung Kim is Professor of Korea Advanced Institute of Science and Technology. He received his Ph.D. in Mathematics at University of Wisconsin-Madison, USA.