

**University of Macau**

**Faculty of Science and Technology**

**Department of Mathematics**

FST-SEM/00045/2015

**Some mathematical studies on rarefied gas**

*By*

Prof. Tong YANG, Chair Professor of Mathematics, City  
University of Hong Kong

**Date: 24 April 2015 (Friday)**

**Time: 10:30 a.m. - 11:30 a.m.**

**Venue: E11- 1040**

**Abstract**

In this talk, we will first review the history of the study on gas motion. And then we will concentrate on the Boltzmann equation that is a fundamental equation in statistic mechanics for describing the time evolution of rarefied gas. We will present some recent results on the well-posedness, regularity and large time behavior of the measure valued solutions.

## **Biography**

Prof. Tong YANG is a chair professor at City University of Hong Kong.

Prof. YANG obtained his PhD degree from University of California, Davis.

Currently he is the Head of department of mathematics.

His research interests include the mathematical theories of conservation laws and kinetic equations. He serves on the editorial boards of several international journals. Moreover, he is also one of the chief editors of the journal "Kinetic and Related Models".

**All are Welcome!**

Reminder - FST Seminar - MAT - " Some mathematical studies on rarefied gas "  
at 10:30am on 24 April 2015 (Friday), E11-1040