

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# **Invariance of plurigenera: an application of the Ohsawa-Takegoshi extension theorem**

**Dr. Mario Chan**

KIAS, Seoul

Date: February 6, 2014 (Thursday)

Time: 4:00 – 5:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

### **Abstract**

The Ohsawa-Takegoshi extension theorem is a powerful tool in both analytic and algebraic geometry. As an illustration of a direct application of the above mentioned celebrated theorem, a proof of the invariance of plurigenera of a family of projective manifolds, first given by Yum-Tong Siu and later simplified by Mihai Paun, is presented.

*All are welcome*