

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# The 'full calculus' of pseudo-differential operators on boundary groupoids

**Dr. Bing-Kwan So**  
University of Luxembourg

### **Abstract**

In this talk, I shall generalize the notion of totally characteristic operators on manifolds with boundary, using groupoid language. Then I shall introduce a space of kernels, which contains the compact parametrix and generalized inverse of Fredholm operators, thus generalizing the notion of full calculus in the case of manifolds with boundary.

**Date: January 16, 2012 (Monday)**

**Time: 4:00 - 5:00pm**

**Place: Room 210, Run Run Shaw Bldg., HKU**

*All are welcome*