

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# Formality Theorem for $\mathfrak{g}$ -Manifolds

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### **Abstract**

I'll start with a review of deformation quantization and Kontsevich's formality theorem. After that I'll explain the formality theorem for  $\mathfrak{g}$ -manifold, i.e., a smooth manifold with a Lie algebra action. The analogous theorems for other geometrical situations will also be mentioned briefly.

Date: July 3, 2017 (Monday)

Time: 2:00 – 3:00pm

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

*All are welcome*