# Lie Groups and Representation Theory Seminar at the University of Tokyo

Date    October 9 (Tue), 2007, 16:30–18:00

Place    Room 126, Graduate School of Mathematical Sciences

Speaker    **Michaël Pevzner** (Université de Reims and University of Tokyo)

Title    Rankin–Cohen brackets and covariant quantization

Abstract    The particular geometric structure of causal symmetric spaces permits the definition of a covariant quantization of these homogeneous manifolds. Composition formulae (#-products) of quantizad operators give rise to a new interpretation of Rankin–Cohen brackets and allow to connect them with the branching laws of tensor products of holomorphic discrete series representations.