

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

リー群論・表現論セミナー

- DATE December 4 (Thu), 2008, 17:00–18:00
- PLACE Room 056, Graduate School of Mathematical Sciences
- SPEAKER **Genkai Zhang** (Chalmers Univ. of Tech./Göteborg Univ.)
- TITLE Realization of quaternionic discrete series as spaces of H -holomorphic functions
- ABSTRACT Gross and Wallach introduced a family of representations on quaternionic symmetric spaces and studied their continuation. I shall give a realization of the series as H -holomorphic vector-valued functions defined in terms of the hypercomplex structure and Dirac operators, and find the reproducing kernel expansion on the quaternionic unit ball.