

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

リ－群論・表現論セミナー

- DATE February 3 (Tue), 2009, 16:30–18:00
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Gombodorj Bayarmagnai** (University of Tokyo)
- TITLE The (\mathfrak{g}, K) -module structure of principal series and related Whittaker functions of $SU(2, 2)$
- ABSTRACT In this talk the basic object will be the principal series representation of $SU(2, 2)$, parabolically induced by the minimal parabolic subgroup. We discuss about the (\mathfrak{g}, K) -module structure on that type of principal series explicitly, and provide various integral expressions of some smooth Whittaker functions with certain K -types.