

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

**リー群論・表現論セミナー**

- DATE October 28 (Tue), 2008, 16:30–18:00
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Joachim Hilgert** (Paderborn University)
- TITLE Chevalley's restriction theorem for supersymmetric Riemannian symmetric spaces
- ABSTRACT We start by explaining the concept of a supersymmetric Riemannian symmetric spaces and present the examples studied by Zirnbauer in the context of universality classes of random matrices. For these classes we then show how to formulate and prove an analog of Chevalley's restriction theorem for invariant super-functions.  
This is joint work with A. Alldridge (Paderborn) and M. Zirnbauer (Cologne).