

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

リー群論・表現論セミナー

- DATE July 17 (Tue), 2012, 17:00–18:30
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Eric Opdam** (University of Amsterdam)
- TITLE Dirac induction for graded affine Hecke algebras
- ABSTRACT In recent joint work with Dan Ciubotaru and Peter Trapa we constructed a model for the discrete series representations of graded affine Hecke algebras as the index of a Dirac operator. We discuss the K -theoretic meaning of this result, and the remarkable relation between elliptic character theory of a Weyl group and the ordinary character theory of its Pin cover.