

Lie Groups and Representation Theory Seminar at the University of Tokyo

リー群論・表現論セミナー

- DATE April 7 (Tue), 2015, 16:30–17:30
- PLACE Room 122, Graduate School of Mathematical Sciences
- SPEAKER **Bent Ørsted** (Århus University and the University of Tokyo)
- TITLE Branching laws and elliptic boundary value problems
- ABSTRACT Classically the Poisson transform relates harmonic functions in the complex upper half plane to their boundary values on the real axis. In some recent work by Caffarelli et al. some new generalizations of this appears in connection with the fractional Laplacian. In this lecture we shall explain how the symmetry-breaking operators introduced by T. Kobayashi for studying branching laws may shed new light on the situation for elliptic boundary value problems. This is based on joint work with J. Möllers and G. Zhang.