

INSTITUT FOR MATEMATIK OG DATALOGI  
SYDDANSK UNIVERSITET, ODENSE

**LIE GROUPS AND REPRESENTATION THEORY**  
conference sponsored by CAALT, Center for Algebraic and  
Analytic Lie Theory

Program (all lectures in room U99, main entrance on Campusvej 55, SDU, Odense):

Wednesday, August 11

- (10:00 - 10:50) S. Helgason: *Different Radon transforms on symmetric spaces*
- (11:20 - 12:10) B. Kostant: *Gelfand-Zetlin basis, orthogonal polynomials, and the Gelfand-Kirillov conjecture*
- (13:30 - 14:20) D. Barbasch: *Relevant and Petite K-types for real and p-adic groups*
- (14:50 - 15:40) J.-L. Clerc: *An invariant for triplets in the Shilov boundary of a bounded domain*
- (16:10 - 17:00) B. Krötz: *News from the upper halfplane*

Thursday, August 12

- (10:00 - 10:50) G. Olafsson: *Horospherical realization of the holomorphic discrete series*
- (11:20 - 12:10) P. Torasso: *The Plancherel formula for almost algebraic groups*
- (13:30 - 14:20) K.-H. Neeb: *Infinite-dimensional generalizations of the Maslov index*
- (14:50 - 15:40) K. Nishiyama: *Harmonic polynomials and highest weight modules - theta lifting, branching rules and Capelli identity*
- (16:10 - 17:00) C. Torossian: *Kontsevich's quantization and applications to harmonic analysis for symmetric spaces*

Friday, August 13

- (10:00 - 10:50) E. van den Ban: *A Paley-Wiener theorem for distributions on semi-simple symmetric spaces*
- (11:20 - 12:10) J. Wolf: *Range of the double fibration transform*
- (13:30 - 14:20) T. Oshima: *Minimal polynomials for generalized Verma modules and their applications*
- (14:50 - 15:40) B. Speh: *Cohomology of arithmetic groups and modular symbols*
- (16:10 - 17:00) V. Molchanov: *Canonical representations and overgroups for hyperboids*

Saturday, August 14

- (10:00 - 10:50) P. Trapa: *Unipotent representations for  $Sp(p, q)$  and  $O^*(2n)$*
- (11:20 - 12:10) T. Kobayashi: *Visible actions on complex manifolds, and multiplicity-free representations*

For further information: Bent Ørsted, [orsted@imada.sdu.dk](mailto:orsted@imada.sdu.dk) and [www.imada.sdu.dk/Events/caalt/](http://www.imada.sdu.dk/Events/caalt/)