

1. WORKSHOP ON PROBLEMS AND PROGRESS IN LIE ALGEBRAIC THEORY

On Wednesday 7 July, Thursday 8 July 2010 we are going to have a workshop on Problems and Progress in Lie Algebraic Theory. All lectures will take place in Lecture Room 1, Zyskind building.

PROGRAMME

Wednesday 7 July 2010

10:00-10:30 Breakfast in lobby to Lecture Room 1.

10:30-11:30 Anthony Joseph (Weizmann). A survey of problems in enveloping algebras and invariant theory.

11:30-12:15 Coffee in lobby to Lecture Room 1.

12:15-13:15 Jonathan Beck (Bar-Ilan). Loop-like generators for affine quiver algebras.

13:30-14:30 Lunch in San Martin.

14:30-15:20 Florence Millet (St. Etienne).

15:30-16:20 Lucas Fresse (Weizmann). Smooth orbital varieties and orbital varieties with a dense B-orbit.

16:30-17:00 Tea in lobby to Lecture Room 1.

17:00-17:45 Maria Gorelik (Weizmann). Denominator identities for affine Lie superalgebras with non-zero Coxeter number.

17:50- 18:20 Shifra Reif (Weizmann). Denominator identities for affine Lie superalgebras with zero Coxeter number.

18:30 Buffet Supper.

Thursday 8 July 2010

10:00-10:30 Breakfast in lobby to Lecture Room 1.

10:30-11:30 Eitan Sayag (Beersheva). Invariant measures, smooth vectors and counting lattice points.

11:30-12:15 Coffee in lobby to Lecture Room 1.

12:15-13:15 Ami Braun (Haifa). Polynomial invariants of toral p -Lie algebra actions.

13:30-14:30 Lunch in San Martin.

14:30-15:20 Uri Onn (Beersheva). Representation zeta function of compact p -adic analytic groups and arithmetic groups.

15:30-16:20 Crystal Hoyt (Weizmann). Good gradings of basic Lie superalgebras.

16:30-17:00 Tea in lobby to Lecture Room 1.

17:00-18:00 Oded Jacobi and Rami Aizenbud (Tel-Aviv and Weizmann). A quantum analogue of Kostant's theorem for the general linear group.