

Lecture Schedule for Banff meeting, Groups and Geometries, May 4-8, 2015

Monday, May 4

8:45–9:00 Introduction and Welcome by BIRS Station Manager

9:00–9:50 Bob Oliver, Automorphisms of fusion and linking systems of finite groups of Lie type

10:00–10:30 Cheryl Praeger, Classifying the finite $3/2$ -transitive permutation groups

Coffee

11:00–11:50 Richard Weiss, Galois Involutions and Exceptional Groups

Lunch

13:00–14:00 Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall

14:00 Group Photo; meet in foyer of TCPL

16:00–16:50 Ellen Henke, Subcentric linking systems

17:00–17:30 Pierre-Emmanuel Caprace, A compact space of isomorphism classes of simple locally compact automorphism groups of trees, I

17:45–18:15 Nicola Radu, A compact space of isomorphism classes of simple locally compact automorphism groups of trees, II

Tuesday, May 5

9.00–9.50 Michael Aschbacher, Quaternion fusion packets

10.00–10.30 Laci Pyber, Finite subgroups of diffeomorphism groups of a compact manifold

Coffee

11.00–11.50 Matthias Grueninger, Trees, Twinings and Moufang sets

Lunch

15.00–15.50 Yoav Segev, A non-split sharply 2-transitive group

16.00–16.30 Hendrik van Maldeghem, Groups of mixed type in the Freudenthal-Tits Magic Square

17.00–17.30 Sejong Park, Cohomology of fusion systems

17.40–18.10 Ron Solomon, Recognizing abelian and nilpotent Hall subgroups from the character table

Wednesday, May 6

9.00–9.50 Martin Kassabov, Hopf algebras and representations of $\text{Aut}(F_n)$

10.00–10.30 David Craven, Maximal subgroups of exceptional groups of Lie type

Coffee

11.00–11.30 Luke Morgan, Locally semiprimitive arc-transitive graphs

11.40–12.10 Jeroen Schillewaert, Small maximal independent sets

Lunch

Afternoon free

Thursday, May 7

9.00–9.50 Tom de Medts, : Jordan algebras and 3-transposition groups

10.00–10.30 David Stewart, Maximal subalgebras of the exceptional Lie algebras in good characteristic

Coffee

11.00–11.50 Gernot Stroth, Groups which are almost groups of Lie type in characteristic p

Lunch

16.00–16.50 Max Horn, Generalized spin representations

17.00–17.30 Arjeh Cohen, Lie algebras generated by extremal elements

17.45–18.15 Nick Gill, Constructing groupoids using designs

Friday, May 8

9.00–9.50 Andrew Chermak, Locally grouped spaces

10.00–10.50 Sergey Shpectorov, Axial algebras and groups of 3-transpositions

Coffee