

# Groups St Andrews: Full Academic and Social Timetable

## Outline timetable for the week

	Sat 3	Sun 4	Mon 5	Tue 6	Wed 7	Thu 8	Fri 9	Sat 10	Sun 11
07.30–09.00		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
09.30–10.30		Reid 1	Liebeck 1	Breuillard 2	Liebeck 2	Reid 3	Vogtmann 3	Kessar	
10.30–11.00		Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	
11.00–12.30		Contributed talks	Contributed talks	Contributed talks	Contributed talks	Contributed talks	Contributed talks	Contributed talks	
12.30–13.30		Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
13.30–14.30	Registration Open	Lohrey	Contributed talks	Cameron	Excursion	Robinson	Breuillard 4	Voll	
14.30–15.30		Breuillard 1		Vogtmann 2		Breuillard 3	Reid 4	Liebeck 4	
15.30–16.00		Tea	Tea	Tea		Tea	Tea	Tea	
16.00–17.00		Vogtmann 1	Historical talk : EFR	Reid 2		Liebeck 3	Contributed talks (to 17.30)	Vogtmann 4	
17.00–18.00			Wine reception						
18.00–19.00	Dinner	Dinner	Dinner (18.30)	Dinner	Dinner	Dinner	Banquet (19.00)	Dinner	
Evening (20.00–??)		Walking tours		Whisky tasting		Musical evening			Survivors' party

## Sunday 4th August: Academic timetable

9.30: Alan Reid, *Profinite properties of discrete groups* (Lecture 1, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths A	Maths B	Maths C	Maths D
11.00	—	Leo Margolis, <i>Zassenhaus Conjecture for cyclic-by-abelian groups</i>	Anthony M. Gaglione, <i>Turner's Theorem is not First Order</i>	Justin McInroy, <i>Sidki's Conjecture; showing finiteness of group presentations using amalgams</i>
11.30	Nicola Sambonet, <i>On the exponent of the Schur multiplier</i>	Andreas Bächle, <i>Rational conjugacy of torsion units in integral group rings of non-solvable groups</i>	Elena Aladova, <i>Logically and algebraically homogeneous groups</i>	Andrey Mamontov, <i>Groups of exponent 12 without elements of order 12</i>
12.00	Dan Levy, <i>Sylow multiplicities in finite groups</i>	Alexander Konovalov, <i>Recent advances on prime graphs of integral group rings</i>	Urban Jezernik, <i>Commuting probability and commutator relations</i>	Andrei Zavarnitsine, <i>On a finite 2,3-generated group of period 12</i>

13.30: Markus Lohrey, *Rational subsets in groups* (Physics Lecture Theatre A)

14.30: Emmanuel Breuillard, *Approximate groups* (Lecture 1, Physics Lecture Theatre A)

16.00: Karen Vogtmann, *Out( $F_n$ ),  $GL(n, \mathbb{Z})$  and everything in between: automorphism groups of right-angled Artin groups* (Lecture 1, Physics Lecture Theatre A)

## Monday 5th August: Academic timetable

9.30: Martin Liebeck, *Width questions for simple groups* (Lecture 1, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths A	Maths B	Maths C	Maths D
11.00	Lucia Sanus, <i>Real character degrees</i>	Andreas Distler, <i>Constructing group extensions with special properties</i>	Marian Deaconescu, <i>Finite groups acting on groups</i>	Alejandra Garrido, <i>Subgroup structure of branch groups</i>
11.30	Ayoub B. M. Basheer, <i>On Clifford-Fischer Theory</i>	Dane Flannery, <i>Algorithms for arithmetic groups with the congruence subgroup property</i>	Patrizia Longobardi, <i>On Groups with Few Isomorphism Classes of Derived Subgroups</i>	Rögnvaldur G. Möller, <i>Simplicity result for groups acting on trees</i>
12.00	Carolina Vallejo, <i>Certain monomial characters and character correspondences</i>	Alexander Hulpke, <i>Practical algorithms for matrix groups</i>	Martino Garonzi, <i>Covering permutation groups</i>	Alexander Zakharov, <i>Intersecting free subgroups in virtually free groups</i>

13.30 Contributed talks:

	Maths A	Maths B	Maths C	Maths D
13.30	Ann Kiefer, <i>Generators and relations for a discrete subgroup of <math>SL_2(\mathbb{C}) \times SL_2(\mathbb{C})</math></i>	John Britnell, <i>Orbit coherence in permutation groups</i>	Marcel Herzog, <i>Some inverse problems in Baumslag-Solitar groups</i>	Michael R. Bush, <i>Schur sigma-groups</i>
14.00	Waldemar Holubowski, <i>Subgroup structure in the group of infinite triangular matrices</i>	Padraig Ó Catháin, <i>A construction for the outer automorphism of <math>S_6</math></i>	Dmytro Savchuk, <i>Submanifold projection for <math>Out(F_n)</math></i>	Theo A. D. Zapata, <i>Splitting theorems for pro-p groups acting on pro-p trees and 2-generated pro-p subgroups of free pro-p products with procyclic amalgamations</i>
14.30	Stephen Humphries, <i>Weak Cayley tables and generalized centralizer rings of finite groups</i>	Simon M Smith, <i>A classification of primitive permutation groups with finite stabilizers</i>	Matthias Neumann-Brosig, <i>On the homology of hyperbolic groups</i>	Pavel Zalesskii, <i>Pro-p ends</i>
15.00	Kenneth W. Johnson, <i>Group matrices old and new</i>	Eric Swartz, <i>New examples of partial difference sets in finite nonabelian groups</i>	Eric Freden, <i>Growth in Baumslag-Solitar groups: asymptotics</i>	Amaia Zugadi-Reizabal, <i>Hausdorff dimension in pro-p groups</i>

16.00 Edmund Robertson, *James Gregory: Regius Professor of Mathematics* (Physics Lecture Theatre A)

## Tuesday 6th August: Academic timetable

9.30: Emmanuel Breuillard, *Approximate groups* (Lecture 2, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths A	Maths B	Maths C	Maths D
11.00	Bill Bogley, <i>Shift dynamics and asphericity for cyclically presented groups</i>	Paz Arroyo-Jordá, <i>New progress on factorized groups and subgroup permutability</i>	Olga Macedońska, <i>Four classes of verbal subgroups</i>	Gunnar Traustason, <i>Symplectic alternating algebras</i>
11.30	Stephan Rosebrock, <i>The asphericity of injective labeled oriented trees</i>	Izabela Agata Malinowska, <i>On the influence of subgroups on structure of finite groups</i>	Matthew Levy, <i>Images of word maps in almost simple groups and quasisimple groups</i>	Péter P. Pálffy, <i>On the number of conjugacy classes in equa-pattern groups</i>
12.00	Gerald Williams, <i>Tadpole labelled oriented graph groups and cyclically presented groups</i>	Antonio Tortora, <i>Groups with all subgroups subnormal or soluble of bounded derived length</i>	Maurizio Meriano, <i>Centralizer-like subgroups associated with words in two variables</i>	Dennis Spellman, <i>A metabelian group admitting integral polynomial exponents</i>

13.30: Peter J. Cameron *Permutation groups and transformation semigroups* (Physics Lecture Theatre A)

14.30: Karen Vogtmann,  $\text{Out}(F_n)$ ,  $\text{GL}(n, \mathbb{Z})$  and everything in between: automorphism groups of right-angled Artin groups (Lecture 2, Physics Lecture Theatre A)

16.00: Alan Reid, *Profinite properties of discrete groups* (Lecture 2, Physics Lecture Theatre A)

## Wednesday 7th August: Academic timetable

9.30: Martin Liebeck, *Width questions for simple groups* (Lecture 2, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths A	Maths B	Maths C	Maths D
11.00	Daniel Lytkin, <i>Large element orders and the characteristic of finite simple symplectic and orthogonal groups</i>	Antonio Beltrán, <i>A generalisation on the solvability of finite groups with three class sizes for normal subgroups</i>	Jim Belk, <i>Thompson-like groups acting on Julia sets</i>	Antoine Nectoux, <i>The essential rank of the alternating group</i>
11.30	Jan Krempa, <i>On some numerical invariants of finite groups</i>	María José Felipe, <i>The influence of <math>p</math>-regular class sizes on normal subgroups</i>	Francesco Matucci, <i>Embeddings into Thompson's group <math>V</math> and co-CF groups</i>	Raffaele Rainone, <i>Geometric actions of classical algebraic groups</i>
12.00	Natalia Makarenko, <i>Finite groups with a metacyclic Frobenius group of automorphisms</i>	Robert Shwartz, <i>Counting cyclic identities in specific finite groups</i>	Nathan Corwin, <i>A non-embedding result for <math>R</math>. Thompson's group <math>V</math></i>	Andrew Douglas, <i>Classification of embeddings of abelian extensions of <math>D_n</math> into <math>E_{n+1}</math></i>

## Thursday 8th August: Academic timetable

9.30: Alan Reid, *Profinite properties of discrete groups* (Lecture 3, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths B	Maths C	Maths D
11.00	Bernardo Rodrigues, <i>Some designs and binary codes preserved by the simple group <math>Ru</math> of <math>Rudvalis</math></i>	Alla Detinko, <i>Recent advances in computing with infinite linear groups</i>	Ben Martin, <i>Algebraic groups and completely reducibility</i>
11.30	Ben Fairbairn, <i>A model of computer memory</i>	Allen Herman, <i>Schur indices in GAP</i>	Adam Thomas, <i><math>G</math>-irreducible subgroups of the exceptional algebraic groups</i>
12.00	Mark Ioppolo, <i>Neighbour-transitive codes in Johnson graphs</i>	Delaram Kahrobaei, <i>Public key exchange using semidirect product of groups</i>	Stephen Glasby, <i>Tensor decomposition, Jordan canonical forms, and Clebsch–Gordan coefficients</i>

13.30: Derek J.S. Robinson, *Recent Results on Generalized Baumslag-Solitar Groups* (Physics Lecture Theatre A)

14.30: Emmanuel Breuillard, *Approximate groups* (Lecture 3, Physics Lecture Theatre A)

16.00: Martin Liebeck, *Width questions for simple groups* (Lecture 3, Physics Lecture Theatre A)

## Friday 9th August: Academic timetable

9.30: Karen Vogtmann,  $\text{Out}(F_n)$ ,  $\text{GL}(n, \mathbb{Z})$  and everything in between: automorphism groups of right-angled Artin groups  
(Lecture 3, Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths B	Maths C	Maths D
11.00	Igor V. Khramtsov, <i>On finite groups with small prime spectrum</i>	Daniel C. Mayer, <i>Finite 3-groups as viewed from class field theory</i>	Rick Thomas, <i>FA-presentable groups and semigroups</i>
11.30	Daria Lytkina, <i>On groups with given spectrum</i>	Josu Sangroniz, <i>2-groups with a fixed number of real conjugacy classes</i>	Tara Brough, <i>Anisimov's Theorem for inverse semigroups</i>
12.00	Daniela Nikolova-Popova, <i>On the covering number of small symmetric groups</i>	Jon Gonzalez Sanchez, <i>On a theorem of Tate</i>	Jens Harlander, <i>Relation lifting and the relation gap problem</i>

13.30: Emmanuel Breuillard, *Approximate groups* (Lecture 4, Physics Lecture Theatre A)

14.30: Alan Reid, *Profinite properties of discrete groups* (Lecture 4, Physics Lecture Theatre A)

16.00: Contributed talks:

	Maths B	Maths C	Maths D
16.00	Natalia V. Maslova, <i>On the normal structure of a finite group with restrictions on maximal subgroups</i>	Sophie Decelle, <i>The 6-transposition Coxeter groups <math>G^{(m,n,p)}</math></i>	Andrey Vasil'ev, <i>On locally finite groups with bounded centralizer chains</i>
16.30	Evgeny Vdovin, <i>An analogue of the Frattini Argument for Hall subgroups</i>	Sarah Hart, <i>Permutation statistics in classical Weyl groups</i>	Karl Lorenzen, <i>Near supplements and complements in solvable groups of finite rank</i>
17.00	Elizabeth Wilcox, <i>Recent developments in the study of the Chermak-Delgado lattice of a finite group</i>	Eloisa Detomi, <i>The probability of generating a monolithic group</i>	Sam Jones, <i>Groups, formal language theory, and decidability</i>

## Saturday 10th August: Academic timetable

9.30: Radha Kessar, *Finiteness conjectures in modular representation theory* (Physics Lecture Theatre A)

11.00: Contributed talks:

	Maths B	Maths C	Maths D
11.00	Witold Tomaszewski, <i>When the commutation of two words gives abelianity</i>	Justin Hughes, <i>Representations arising from an action on <math>D</math>-neighborhoods of Cayley graphs</i>	Emma Leppälä, <i>Solvability criteria for finite loops and groups</i>
11.30	Matthias Grüninger, <i>On quadratic and cubic action of a rank one group</i>	TT Seretlo, <i>On an inertia factor group of <math>O_{10}^+(2)</math></i>	Arturo Magidin, <i>On the capability of <math>p</math>-groups of class two and prime exponent</i>
12.00	Luise-Charlotte Kappe, <i>Variations on a theme of I.D. Macdonald</i>	Hung P. Tong-Viet, <i>Prime graphs of finite groups</i>	Emilio Pierro, <i>Beauville groups</i>

13.30: Christopher Voll, *Zeta functions of groups and rings: recent developments* (Physics Lecture Theatre A)

14.30: Martin Liebeck, *Width questions for simple groups* (Lecture 4, Physics Lecture Theatre A)

16.00: Karen Vogtmann,  *$\text{Out}(F_n)$ ,  $\text{GL}(n, \mathbb{Z})$  and everything in between: automorphism groups of right-angled Artin groups* (Lecture 4, Physics Lecture Theatre A)