Badges

Please wear your badge at all times, otherwise you may well forget who you are.

Newcastle people and conference helpers have stars on their badges and perplexed looks on their faces to aid identification of those with local knowledge.

Today's talks

Day outline

9:30 Osin 1; 10:30 Coffee; 11:00 Contributed talks; 12.30 Lunch (provided); 1:30 Harper; 2:30 Brion 1; 3:30 Tea; 4:00 Contributed talks; 5:30 Walking tour.

Contributed talks

11:00am – 12:00pm, Location – 4th Floor Herschel, Teaching Room 4 (HERB.4.TR4)
Chair: Henry Bradford
Alex Evetts, *Formal language descriptions of algebraic and definable sets in finitely generated groups*
Florian Eisele, *On Donovan's conjecture and Picard groups*

11:00am – 12:00pm, Location - 4th Floor Herschel, Teaching Room 2 (HERB.4.TR2)
Chair: Aluna Rizzoli
Robert Shwartz, *Sequences over finite fields defined by OGS and BN-pair decompositions of $PSL_n(q)$ connected to Dickson and Chebyshev polynomials*
Justin McInroy, *Split spin factor algebras*

4:00 – 5:00pm, Location – 4th Floor Herschel, Teaching Room 4 (HERB.4.TR4)
Chair: Victor Sotomayor
Leo Margolis, *A counterexample to the modular isomorphism problem*
Diego García Lucas, *On the modular isomorphism problem: even versus odd characteristic*

4:00 – 5:00pm, Location - 4th Floor Herschel, Teaching Room 2 (HERB.4.TR2)
Chair: Scott Harper
Stephen Humphries, *Weak Cayley table maps: generalized group automorphisms*
Casey Donoven, *Inverse graphs of semigroups*

Abstracts

Abstracts of all talks can be obtained as a pdf file from the conference website. A small number of paper copies of the abstract booklet are available at the registration desk, for those that need them.

This evening: walking tour

This evening some of our local staff and students will lead a short walk around the campus and surroundings, to a nearby bit of town where there are multiple pubs and restaurants. If you arrived today and want to check in to Castle Leazes first, you will be able to find other people from about 6pm at the Hotspur. We will depart the Herschel building at 5.30.

Food, glorious food!

Breakfast

If you are staying in Castle Leazes, then breakfast is provided each morning. On Monday to Friday, a traditional / continental breakfast will be provided through the servery in the main Dining Hall between 8am and 9am. Next Saturday (6th), a continental breakfast for you will be placed in the fridges on the floor that you are staying on, and you should help yourself to an appropriate amount of food.

Lunch

Lunch is provided by the conference today, and will be served in the Foyer of the Herschel building.

On Monday, Tuesday, Thursday and Friday, you'll have to scavenge lunch from various places on or near campus. The closest convenient lunch spot is the university canteen, "Courtyard". For a wider range of options, try out Grainger Market, 5 minutes walk away.

Dinner and further info

We have made a document giving a description of a large number of places to eat and drink, which you can read here:

`https://tinyurl.com/5n7r989x`

A small number of paper copies will be available at the registration desk. An online version of the map and list of venues can be accessed via

`https://tinyurl.com/4ky8tvhy`

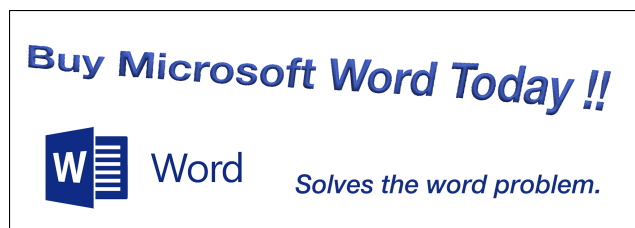### Never mind the food, where's the coffee?!

Coffee and tea will be served each day at 10:30am and 3:30pm in the foyer of the Herschel building. This is the same place as registration. Other than that, there is a coffee shop called "Anyone", which is on

the main road (Percy Street), almost opposite Haymarket metro station.

The Hotspur

This is the default watering hole of the mathematics department. It is on the main road (103 Percy Street), close to the Herschel building, and almost opposite Haymarket metro station. Ideal for planning where you will go to eat in the evening. It has a collection of cask ales as well as wines and spirits. They also sometimes sell food.

Ad of the day

Wifi

Wifi is available across the campus either as Eduroam or Wifi Guest. If you have an Eduroam account then use that, otherwise ask at the registration desk for help getting on the Wifi Guest network.

Additional Information

Registration times: Sunday 9:00 am and then at coffee breaks through the week.

Non-mathematical entertainment

Tonight you can watch the final of the Women's Euro 2022 football championship at the Crow's Nest Pub, which is just outside the Herschel Building.

The Boulevard (near the station) is showing its Summer Show at 6:30pm and this comes highly recommended.
`https://www.boulevardnewcastle.co.uk`

Pub of the day!

Today's walking tours will terminate at the Hotspur at about 6pm, which is therefore our pub of the day (for those that don't want to watch the football.

An interview with Chris Parker

Your trusty editors interviewed Prof P, who was one of the organisers of Groups St Andrews 2017 in Birmingham. The interview took place over email.

Question 1: *If you had to describe yourself as a group, which group would you be?*
I only appear to have one element, and so I must be the trivial group, whether I like it or not.

Question 2: *What's the worst answer in an exam you've marked and how many marks did you give it?*
A history of mathematics essay from which I learned that the ancient Mayans spoke Spanish. I was generous.

Question 3: *Snog, Marry, Avoid:* Co_1, Co_2, Co_3.
A few moments of madness and a lingering infatuation with their 2-local subgroups resulted in me marrying them all at the same time. So Snog then Marry.

Taxis

Try Blue Line taxis on 0191 262 6666. They also have an app you can download.

For those with no soul, there is also Uber.

Plan ahead! Probably talks Monday 31st

Day outline

9:30 Kassel 1; 10:30 Coffee; 11:00 Contributed talks; 12:00 Lunch break; 13:30 Contributed talks; 14:30 Pálfy; 15:30 Tea/coffee; 16:00 Tiep 1; 17:00 Conference photo, followed by Wine reception.

Contributed talks

11:00am – 12:00pm, Location – 4th Floor Herschel, Teaching Room 4 (HERB.4.TR4)
Chair: Leo Margolis
Saul D. Freedman, *The intersection graph of a finite simple group*
Kamilla Rekvényi, *The orbital diameter of affine and diagonal groups*
11:00am – 12:00pm, Location - 4th Floor Herschel, Teaching Room 2 (HERB.4.TR2)
Chair: Justin McInroy
Seungjai Lee, *Higman's PORC conjecture on the p-groups of maximal class*
Martin van Beek, *Exotic fusion systems related to sporadic simple groups*

13:30 – 14:30pm, Location – 4th Floor Herschel, Teaching Room 4 (HERB.4.TR4)
Chair: Casey Donoven
Eshita Mazumdar, *Zero sums in restricted sequences over finite groups*
Gareth A. Jones, *Groups and the Bateman-Horn conjecture*
13:30 – 14:30pm, Location - 4th Floor Herschel, Teaching Room 2 (HERB.4.TR2)
Chair: David Stewart
Henry Bradford, *Local permutation stability*
David Cushing, *The curvature of Cayley graphs*