## PCC 2008 Programme

## Monday 21 July

11:00-12:00 Check-in at Rootes Social Building<br>12:00 - 13:00 Registration, fingerfood $\mathcal{G}$ drinks at the Mathematics Institute

Session 1 Chair: Haris Aziz
13.00-13.05 Welcome by Prof. Mike Paterson
13.05-14.05 Prof. Olivier Hudry: Tournament solutions
14.15-14.35 Simon Griffiths: One-way subgraphs in oriented graphs
14.35-14.55 Arezou Soleimanfallah: A new fixed-parameter tractable algorithm for the 3-hitting set problem
14.55-15.15 Joanne Hall: Algebraic and combinatorial structure of mutually unbiased bases
15.25-15.45 Tea $\mathcal{F}$ coffee

Session 2 Chair: Manuela Heuer
15.50-16.10 Sian Jones: Quasi-magic sudoku
16.10-16.30 Ryan P. Davies: Automation of the solution of kakuro puzzles
$16.30-16.50$ Linda Stringer: Sets that generate the symmetric group pairwise
19.30 - Dinner $\mathcal{E}^{3}$ drinks at Rootes Social Building

## Tuesday 22 July

07.30-09.00 Breakfast at Rootes Social Building

Session 3 Chair: Debbie Lockett
09.30 - 09.50 Manuela Heuer: On the entropy and letter frequencies of powerfree words
09.50-10.10 Haris Aziz: Comparing players in coalitional voting games
10.10-10.30 Marianne Fairthorne: Introduction to the supermarket model
10.40-11.00 Tea $\xi^{3}$ coffee

Session 4 Chair: Simon Griffiths
11.05-12.05 Prof. Imre Leader: Matchings and paths in the cube
12.15-12.35 Allan Lo: Cliques in regular graphs
12.40-12.45 Photo on the Piazza
13.00-14.00 Lunch at Rootes Social Building

Session 5 Chair: Emil Vaughan
14.15-14.35 David Knipe: The countable generic partial order and its automorphisms
14.35-14.55 Mareike Massow: Diametral pairs of linear extensions
14.55-15.15 Clive Blackwell: Reasoning about cryptographic security with spygraphs
15.25-15.45 Tea $\xi^{3}$ coffee

Session 6 Chair:
15.50-16.10 Peter Krusche: String comparison by transposition networks
16.10-16.30 Fraser Stewart: Scoring play combinatorial games
16.40-17.40 Dr Jenny O'Leary: Life after your PhD
19.30 - Conference dinner at Rootes Social Building

## Wednesday 23 July

07.30-09.00 Breakfast at Rootes Social Building

Session $7 \quad$ Chair:
09.30-09.50 Richard Mycroft: Hamilton cycles in hypergraphs
09.50-10.10 Andrew Treglown: Hamiltonian degree sequences in digraphs
10.10-10.30 Luke Kelly: Cycles in oriented graphs
10.40-11.00 Tea $\mathcal{\xi}$ coffee

Session $8 \quad$ Chair: Haris Aziz
11.05-11.25 Oliver Cooley: The Loebl-Komlós-Sós conjecture for large, dense graphs
11.25-11.45 Peter Allen: A connection between Ramsey number and chromatic number
12.00-13.00 Prof. Ian Stewart: Generic bifurcation in network dynamics
13.15 - Goodbye Lunch

