

## Timetable

	Mon	Tue	Wed	Thu	Fri
9.30 – 10.30	Fox	Helleseth	Giulietti	Širáň	Whittle
10.30 – 11.00			Coffee		
11.00 – 11.20					
11.25 – 11.45	Parallel sessions	Parallel sessions	Parallel sessions	Parallel sessions	Parallel sessions
11.50 – 12.15					
12.15 – 2.00			Lunch		
2.00 – 3.00	Zeilberger	Vušković		Steingrímsson	van den Heuvel
3.00 – 3.20					
3.25 – 3.45	Parallel sessions	BCC Business Meeting		Problem Session	Tea
3.50 – 4.20		Tea	Excursion to Windsor Castle	Tea	
4.20 – 4.40					
4.45 – 5.05	Parallel sessions	Parallel sessions		Parallel sessions	
5.10 – 5.30					

All sessions will be held in the Windsor Building. Plenary talks, the BCC Business Meeting and the Problem Session will be held in the Windsor Auditorium. The conference office is in the reception area of the Windsor Building.

## Timetable for Parallel Sessions

For talk titles see the detailed schedule on pages 5 to 10.

### Monday 1 July

	WIN0-02	WIN1-02	WIN0-04	WIN1-04
11.00–11.20	Král'	Pike	Munagi	Dowden
11.25–11.45	McDowell	Grannell	Tsikouras	Bana'ji
11.50–12.15	Rajkumar	Burgess	Salas	Paterson
3.00–3.20	Lacy	Noble	López Chávez	Zverovich
3.25–3.45	Griggs	Moffatt	Abreu	Ait-Haddadene
4.20–4.40	Korpelainen	Hilton	Pelayo	Aman
4.45–5.05	Rivera-Campo	Horsley	Dankelmann	Bailey
5.10–5.30	Hegde	Nixon	Simanjuntak	Moori

### Tuesday 2 July

	WIN0-02	WIN1-02	WIN0-04	WIN1-04	WIN1-05
11.00–11.20	Cameron	Bagdasar	Labbate	Lin	Kheffache
11.25–11.45	Fairbairn	Diner	Abajo	Hou	Lovegrove
11.50–12.15	Lehner	Ellingham	Casablanca	Fujita	Broere
4.20–4.40	Cavenagh	Csajbók	Bonisoli	Rutherford	
4.45–5.05	Lozin	Lazebnik	Araujo-Pardo	Lai	
5.10–5.30	Brignall	Mach	Saito	Chia	

### Wednesday 3 July

	WIN0-02	WIN1-02	WIN0-04	WIN1-04
11.00–11.20	Biggs	Napolitano	Sharif	Ahmad
11.25–11.45	Withers	Rajola	Ruskey	Markström
11.50–12.15	Georgiou	Mellinger	Kaci	Kyppö

### Thursday 4 July

	WIN0-02	WIN1-02	WIN0-04	WIN1-04
11.00–11.20	Wanless	Ó Catháin	De Winter	Krzywkowski
11.25–11.45	Donovan	Penman	Greaves	Kimura
11.50–12.15	Kozlik	Evans	Rowlinson	Levit
4.20–4.40	Edwards	Bevan	Mphako-Banda	Bonvicini
4.45–5.05	Wu	Ulfarsson	Newman	Pasotti, A.
5.10–5.30	Danziger	Rattan	Al Kharousi	Zhang

### Friday 5 July

	WIN0-02	WIN1-02	WIN0-04
11.00–11.20	Oxley	Gagarin	Abdullahi
11.25–11.45	Chun	Morgan	Pasotti, S.
11.50–12.15	Mayhew	McCourt	

## Monday 1 July

### WIN0-02

Time	Speaker	Title
11.00–11.20	D. Král'	Finitely forcible permutation limits
11.25–11.45	A. McDowell	Non-vertex balanced factors in random graphs
11.50–12.10	A. Rajkumar	Bounds on the simple graph and multigraph $(r, s, a, t)$ -threshold numbers
3.00–3.20	S. Lacy	Looking glass neofields
3.25–3.45	T. S. Griggs	Representing graphs in Steiner triple systems
4.20–4.40	N. Korpelainen	Linear clique-width for subclasses of cographs, with connections to permutations
4.45–5.05	E. Rivera-Campo	A class of odd-graceful trees
4.45–5.05	S. M. Hegde	A proof of harmonious tree conjecture

### WIN1-02

Time	Speaker	Title
11.00–11.20	D. Pike	Cyclic extensions in block-intersection graphs of pairwise balanced designs
11.25–11.45	M. Grannell	The number of transversal designs
11.50–12.10	A. Burgess	Orthogonally resolvable cycle decompositions
3.00–3.20	S. D. Noble	Bounds on real zeros of the characteristic polynomial of matroids of bounded branch-width
3.25–3.45	I. Moffatt	A Penrose polynomial for graphs in surfaces
4.20–4.40	A. J. W. Hilton	Some theorems and conjectures about extremal finite set structures
4.45–5.05	D. Horsley	Another family of Steiner triple systems without almost parallel classes
5.10–5.30	T. Nixon	Constructing periodically rigid frameworks in the plane

### WIN0-04

Time	Speaker	Title
11.00–11.20	A. O. Munagi	Some in-place identities for integer compositions
11.25–11.45	P. Tsikouras	Counting nonleft peaks in Dyck paths
11.50–12.10	J. Salas	Constructions of small regular graphs of girth 7
3.00–3.20	López Chávez G.	On biregular cages of girth 8
3.25–3.45	M. Abreu	Families of bi-regular cages of girth 5
4.20–4.40	I. M. Pelayo	Global locating domination in bipartite graphs
4.45–5.05	P. Dankelmann	Diameter and radius in bipartite digraphs
5.10–5.30	R. Simanjuntak	Metric dimension of amalgamation of graphs

## WIN1-04

Time	Speaker	Title
11.00–11.20	C. Dowden	Agreement protocols in the presence of a mobile adversary
11.25–11.45	M. Banaji	Some combinatorial problems arising in the study of bio/chemical networks
11.50–12.10	M. B. Paterson	A simplified combinatorial treatment of constructions and threshold gaps of ramp schemes
3.00–3.20	V. Zverovich	Braess' Paradox in a generalised traffic network
3.25–3.45	H. Ait-Haddadene	On the maximum clique number problem of $P$ -graphs
4.20–4.40	K. C. Aman	Using cubical arrays to determine the automorphism group of a semifield
4.45–5.05	R. F. Bailey	On the metric dimension of imprimitive distance-regular graphs
5.10–5.30	J. Moorj	On the automorphisms of designs constructed from finite simple groups

## Tuesday 2 July

## WIN0-02

Time	Speaker	Title
11.00–11.20	P. Cameron	Synchronization, graph homomorphisms, and combinatorics
11.25–11.45	B. Fairbairn	A model of computer memory
11.50–12.10	F. Lehner	Stabilisers of random colourings in subdegree finite permutation groups
4.20–4.40	N. J. Cavenagh	Decomposing bipartite graphs with high minimum degree into 4-cycles
4.45–5.05	V. V. Lozin	On factorial properties of graphs
5.10–5.30	R. Brignall	Forbidding paths and cliques in permutation graphs, and well-quasi-ordering

## WIN1-02

Time	Speaker	Title
11.00–11.20	O. Bagdasar	On the enumeration of generalised periodic Horadam sequences
11.25–11.45	Ö. Y. Diner	An algorithmic method to construct forbidden minors
11.50–12.10	M. Ellingham	Characterization of $K_{2,4}$ -minor-free graphs
4.20–4.40	B. Csajbók	Semiarcs with a long secant in $PG(2, q)$
4.45–5.05	F. Lazebnik	Embedding cycles in finite planes
5.10–5.30	L. Mach	A new lower bound based on Gromov's method of selecting heavily covered points

## WIN0-04

Time	Speaker	Title
11.00–11.20	D. Labbate	A characterization of odd 2-factor snarks
11.25–11.45	E. Abajo	On generalized 3-connectivity of the strong product of graphs
11.50–12.10	R. M. Casablanca	Average connectivity of interconnection networks
4.20–4.40	A. Bonisoli	Nordhaus-Gaddum inequalities for the automorphic chromatic index
4.45–5.05	G. Araujo-Pardo	On $\omega\psi$ -Perfect Graphs
5.10–5.30	A. Saito	Precoloring extension involving pairs of vertices of small distance

## WIN1-04

Time	Speaker	Title
11.00–11.20	Q. Lin	Multicolor bipartite Ramsey number of $C_4$ and large $K_{n,n}$
11.25–11.45	J. Hou	Some topics on acyclic edge coloring of graphs
11.50–12.10	S. Fujita	Forbidden rainbow subgraphs that force large highly connected monochromatic subgraphs
4.20–4.40	C. G. Rutherford	Pancyclicity when each cycle must pass exactly $k$ Hamilton cycle chords
4.45–5.05	C. Lai	Some open problems on cycles
5.10–5.30	G. L. Chia	On the skewness of the join of graphs

## WIN1-05

Time	Speaker	Title
11.00–11.20	R. Kheffache	An approximation algorithm for metric TSP and optimally connected
11.25–11.45	G. Lovegrove	Maximizing the number of Pasch configurations in a Steiner triple system
11.50–12.10	I. Broere	Hom-properties of graphs and the Hedetniemi Conjecture

## Wednesday 3 July

### WIN0-02

Time	Speaker	Title
11.00–11.20	N. Biggs	Thoughts on strongly regular graphs
11.25–11.45	P. N. Withers	Uniform multicommodity flow in complete multipartite graphs with random edge capacities
11.50–12.10	N. Georgiou	Modular decomposition and the Reconstruction Conjecture

### WIN1-02

Time	Speaker	Title
11.00–11.20	V. Napolitano	On sets of type $(q + 1, n)_2$ in $PG(3, q)$
11.25–11.45	S. Rajola	A new way to construct hyperovals in finite Desarguesian planes
11.50–12.10	K. E. Mellinger	Minimal Kakeya sets

### WIN0-04

Time	Speaker	Title
11.00–11.20	W. H. Sharif	Faithful extension of constant height and constant width between finite posets
11.25–11.45	F. Ruskey	Nested recurrence relations with morphic interpretations
11.50–12.10	Kaci F.	Order-interval hypergraph of the $N$ -free poset

### WIN1-04

Time	Speaker	Title
11.00–11.20	U. Ahmad	Power digraphs of Sophie Germain primes
11.25–11.45	K. Markström	Shortest cycle covers of cubic cyclically 4-edge connected graphs
11.50–12.10	J. Kyppö	The arithmetical $n$ -polytope and the multinomial theorem

## Thursday 4 July

### WIN0-02

Time	Speaker	Title
11.00–11.20	I. M. Wanless	Group embeddings of spherical latin trades
11.25–11.45	D. Donovan	A polynomial embedding for pairs of partial orthogonal latin squares
11.50–12.10	A. R. Kozlik	Triple systems and binary operations
4.20–4.40	K. Edwards	Deletion depth, deletion-reduction depth, and the complexity of Max 2-CSP
4.45–5.05	T. Wu	On the degree distribution of large networks generated by the partial duplication model
5.10–5.30	P. Danziger	Bipartite 2-factorisations of complete multipartite graphs

### WIN1-02

Time	Speaker	Title
11.00–11.20	P. Ó Catháin	Equivalence of difference sets
11.25–11.45	D. B. Penman	Sets with more restricted sums than differences
11.50–12.10	A. B. Evans	On strong complete mappings of finite groups
4.20–4.40	D. Bevan	Permutation grid classes and the spectra of graphs
4.45–5.05	H. Ulfarsson	Planar maps, $\beta(1, 0)$ -trees and pattern avoiding permutations
5.10–5.30	A. Rattan	Products of long cycles and small cycle dependence

### WIN0-04

Time	Speaker	Title
11.00–11.20	S. De Winter	Automorphisms of strongly regular graphs
11.25–11.45	G. R. W. Greaves	On limit points of the least eigenvalue of a graph
11.50–12.10	P. Rowlinson	Star complements and connectivity in finite graphs
4.20–4.40	E. G. Mphako-Banda	Some $\chi$ -equivalent and $\chi$ -unique matroids representable over a group
4.45–5.05	M. Newman	On sixth-root-of-unity matroids
5.10–5.30	F. Al Kharousi	Combinatorial results for certain semigroups of partial isometries of a finite chain

## WIN1-04

Time	Speaker	Title
11.00–11.20	M. Krzywkowski	On trees with double domination number equal to 2-dominance number plus one
11.25–11.45	K. Kimura	Offensive alliances in trees
11.50–12.10	V. E. Levit	On $f$ -symmetries of independence polynomials
4.20–4.40	S. Bonvicini	Classification of Hamiltonian $I$ -graphs
4.45–5.05	A. Pasotti	On the problem of Buratti, Horak and Rosa
5.10–5.30	S. Zhang	Degree and neighborhood intersection conditions restricted to induced subgraphs ensuring Hamiltonicity of graphs

## Friday 5 July

## WIN0-02

Time	Speaker	Title
11.00–11.20	J. Oxley	Inductive tools for handling internally 4-connected binary matroids I
11.25–11.45	C. Chun	Inductive tools for handling internally 4-connected binary matroids II
11.50–12.10	D. Mayhew	Is the missing axiom of matroid theory lost forever?

## WIN1-02

Time	Speaker	Title
11.00–11.20	A. Gagarin	Embedding graphs containing $K_5$ -subdivisions on the torus
11.25–11.45	M. J. Morgan	A bound on the degree distance topological index
11.50–12.10	T. A. McCourt	Doubly even orientable closed 2-cell embeddings of the complete graph

## WIN0-04

Time	Speaker	Title
11.00–11.20	S. D. Abdullahi	Some open problems in computational topology
11.25–11.45	S. Pasotti	Loops, regular permutation sets and colouring of directed graphs