

Program - Third Workshop on Graphs and Matroids

- Monday**
- 9.00 June Huh: h -vectors of matroids and logarithmic concavity
 - 9.25 Eric Katz: Ardila-Klivans classes
 - 9.50 Matthias Lenz: Zonotopal algebra and Mason's conjecture
 - 10.40 Bruce Richter: 2-crossing-critical graphs
 - 11.05 Rudi Pendavingh: An upper bound on the number of matroids
 - 11.30 Peter Whalen: Even $K_{3,3}$ -subdivisions in non-planar bipartite graphs
 - 11.55 Bertrand Guenin: Stabilizers and applications to even face embeddings on surfaces
 - 3.40 Luis Goddyn: Excluded minors for bicircular matroids
 - 4.05 Daryl Funk: Graph representations of bias matroids
 - 4.30 Vaidy Sivaraman: Frustration in signed graphs
 - 4.55 Dan Slilaty: Lifts and quotients of frame matroids
 - 5.20 Tom Zavlavsky: Dowling geometries of multiary quasigroups
- Tuesday**
- 9.00 Paul Wollan: Explicit bounds for the weak structure theorem
 - 9.40 Jim Geelen: Matroid minors tutorial
 - 10.40 Peter Nelson: Matroid growth rates
 - 11.05 Sean McGuinness: Bounding the size of binary matroids without spike minors
 - 11.30 Petr Hliněný: Can dense graphs be "sparse"?
 - 11.55 Stefan van Zwam: Matroid computation in Sage
 - 3.40 Guoli Ding: Quickly finding a splitter
 - 4.05 Nick Brettell: A splitter theorem relative to a fixed basis
 - 4.30 Carolyn Chun: Towards a splitter theorem for internally 4-connected binary matroids
 - 4.55 João Paulo Costalonga: Extending Whittle's variations of the splitter theorem
 - 5.20 Sandra Kingan: Splitters and decomposers
- Wednesday**
- 9.00 Carsten Thomassen: The weak 3-flow conjecture and some applications
 - 9.40 Jim Geelen: Matroid minors tutorial
 - 10.40 Rohan Kapadia: Representability of matroids with a large projective geometry minor
 - 11.05 Jesse Taylor: On a class of nearly binary matroids
 - 11.30 Mike Newman: Sixth-root-of-unity matroids
 - 11.55 Neil Robertson: Some connectivity reductions of the wqo property in topological ideals
 - 3.40 Maria Chudnovsky: Extending the Gyrfas-Sumner conjecture
 - 4.05 Marko Radovanović: Linear balanceable and subcubic balanceable graphs
 - 4.30 Matthias Mnich: Algorithmic decompositions of claw-free graphs
 - 4.55 Chun Hung Liu: The fractional chromatic number of K_3 -free subcubic graphs
 - 5.20 Kristina Vušković: Coloring perfect graphs with no balanced skew-partition
- Thursday**
- 9.00 Paul Seymour: The tree-width bound from excluding a planar minor
 - 9.40 Jim Geelen: Matroid minors tutorial
 - 10.40 Luke Postle: A linear bound for 5-list-coloring graphs on surfaces
 - 11.05 Ross Kang: The distance- t chromatic index of graphs
 - 11.30 Winfried Hochstättler: Hadwiger's conjecture for regular matroids
 - 11.55 Joseph Kung: Why does a matroid have a particular critical exponent?
 - 3.40 Dillon Mayhew: The missing axiom of matroid theory
 - 4.05 Charles Semple: What is a typical matroid?
 - 4.30 Joseph Bonin: Semidirect sums of matroids
 - 4.55 Gordon Royle: Characteristic polynomials with integer roots
 - 5.20 Steven Noble: The Merino-Welsh conjecture: an inequality for the Tutte polynomial
- Friday**
- 9.00 Nathan Bowler: Extending 'excluded minors' results to infinitary matroids
 - 9.25 Robin Christian: Graph-like spaces and infinite matroids
 - 9.50 Johannes Carmesin: Matroid intersection, base packing and base covering for infinite matroids
 - 10.40 Dennis Hall: Unavoidable minors for connected 2-polymatroids
 - 11.05 Ben Clark: $U_{2,5}$ fragile matroids
 - 11.30 Rong Chen: The structure of crossing 3-separations in 3-connected matroids
 - 11.55 Tyler Moss: A minor-based characterization of matroid 3-connectivity
 - 3.40 Tobias Müller: First order logic and random (geometric) graphs
 - 4.05 Irene Pivotto: Packing Steiner trees
 - 4.30 Tony Huynh: Strongly even cycle decomposable graphs
 - 4.55 Sang-il Oum: Even cycle decomposition of graphs with no odd K_4 minor
 - 5.20 Ken-ichi Kawarabayashi: Packing directed cycles through a specified vertex set