
MONDAY, 20 JUNE, MORNING

10:00	O'Flaherty Theatre	Plenary Sessions	Paul Van Dooren	p21
	Strongly minimal self-conjugate linearizations for polynomial and rational matrices			
11:00	AC203	Contrib. 1	James R. Weaver	p249
	Blocked Triangular Patterns and their Symmetry Groups			
11:30	AC203	Contrib. 1	Richard Hollister	p250
	Majorization and Triangular Polynomial Matrices			
12:00	AC203	Contrib. 1	D. Steven Mackey	p251
	Spectral Localization in Polynomial and Rational Matrices			
12:30	AC203	Contrib. 1	Edward Poon	p252
	Circular higher rank numerical range and factorization of singular matrix polynomials			
11:00	D'Arcy Thompson	MS-3	Damjana Kokol Bukovšek	p47
	Completely positive factorizations associated with Euclidean distance matrices corresponding to an ...			
11:30	D'Arcy Thompson	MS-3	Helena Šmigoc	p48
	Symmetric Nonnegative Trifactorization Rank			
12:00	D'Arcy Thompson	MS-3	Qinghong Zhang	p49
	The Maximal Angle between 5×5 Positive Semidefinite and 5×5 Non-negative matrices			
12:30	D'Arcy Thompson	MS-3	Mirjam Dür	p50
	Factorization of Completely Positive Matrices			
11:00	Anderson	MS-4	Julio de Vicente	p58
	Asymptotic survival of genuine multipartite entanglement in noisy quantum networks depends on the t...			
11:30	Anderson	MS-4	Alexander Müller-Hermes	p59
	Entanglement annihilation between cones			
12:00	Anderson	MS-4	Sander Gribling	p60
	Mutually unbiased bases: polynomial optimization and symmetry			
12:30	Anderson	MS-4	Mizanur Rahaman	p61
	An Extension of Bravyi-Smolín's Construction for UMEBs			
11:00	AC201	MS-5	Michael Tait	p71
	Two conjectures on the spread of graphs			
11:30	AC201	MS-5	Mark Kempton	p72
	Algebraic Connectivity and the Laplacian Spread			
12:00	AC201	MS-5	Sebastian M. Cioabă	p73
	Spectral Moore Theorems for Graphs and Hypergraphs			
12:30	AC201	MS-5	Xiaohong Zhang	p74
	Oriented Cayley graphs with all eigenvalues being rational multiples of each other			
11:00	AC215	MS-7	Antonio M. Peralta	p93
	Distance-preserving bijections between sets of invertible elements in unital Jordan-Banach algebras			
11:30	AC215	MS-7	Tamás Titkos	p94
	On isometric rigidity of Wasserstein spaces			
12:00	AC215	MS-7	Jerónimo Alaminos	p95
	On property (\mathbb{B}) and zero product determined Banach algebras			

11:00	AC204	MS-13	Derek Kitson	p152
Graph rigidity in cylindrical spaces				
11:30	AC204	MS-13	Signe Lundqvist	p153
When is a rod configuration infinitesimally rigid?				
12:00	AC204	MS-13	John Hewetson	p154
Global Rigidity of Frameworks in Non-Euclidean Normed Planes				
11:00	AC214	MS-16	Minho Song	p179
Enumerative results for connected bipartite non-crossing geometric graphs				
11:30	AC214	MS-16	Bumtlee Kang	p180
On claw-free Toeplitz graphs				
12:00	AC214	MS-16	Naiomi T. Cameron	p181
A Riordan Array Approach to Some Problems involving Lattice Paths, Trees and Partitions				
11:00	AC202	MS-17	Santiago Barrera Acevedo	p190
Cocyclic Two-Circulant Core Hadamard Matrices				
11:30	AC202	MS-17	Andrea Švob	p191
On some constructions of divisible design Cayley graphs and digraphs				
12:00	AC202	MS-17	Guillermo Nuñez Ponasso	p192
The Maximal Determinant Problem and Generalisations				
12:30	AC202	MS-17	Ian Wanless	p193
Perfect 1-factorisations and Hamiltonian Latin squares				

MONDAY, 20 JUNE, AFTERNOON

14:30	AC214	Contrib. 2A	Marina Arav	p254
A characterization of signed graphs with stable maximum nullity at most two				
15:00	AC214	Contrib. 2A	Hein van der Holst	p256
A topological characterization of signed graphs with stable positive semidefinite maximum nullity a...				
15:30	AC214	Contrib. 2A	Milica Andelić	p257
Inverse of a signless Laplacian matrix of a non-bipartite graph				
16:00	AC214	Contrib. 2A	Vicenç Torra	p258
Graph addition: properties for its use for graph protection				
14:30	AC202	Contrib. 2B	Frank Uhlig	p253
New Connections between Static Matrices A , Zhang Neural Networks, and Parameter-Varying Matrix Fl...				
15:00	AC202	Contrib. 2B	Tom Asaki	p255
Null-Space Projects for Intermediate Students: Tomography, Cryptography, and More				
14:30	D'Arcy Thompson	MS-1	Margarida Mitjana	p32
PageRank: a different point of view				
15:00	D'Arcy Thompson	MS-1	Suil O	p33
Eigenvalues, spanning trees, and connected parity factors in regular graphs				
15:30	D'Arcy Thompson	MS-1	Luiz Emilio Allem	p34
Randić Energy and Index				
16:00	D'Arcy Thompson	MS-1	James Borg	p35
Graphs Reconstructible from One Card and a One-Dimensional Eigenspace				
14:30	Anderson	MS-2	Miriam Pisonero	p40
Universal Realizability in Dimension 5 with Trace Zero: nonreal case				
15:00	Anderson	MS-2	Carlos Marijuán	p41
Universal Realizability in Dimension 5 with Trace Zero: real case				
15:30	Anderson	MS-2	Robert Perry, Jonathan Ta	p42
Kronecker Products of Perron Similarities				
14:30	AC213	MS-6	Shaun Fallat	p83
On the maximum multiplicity of the k th largest eigenvalue of a graph.				
15:00	AC213	MS-6	Franklin Kenter	p84
A zero forcing menagerie: the ordered multiplicity inverse eigenvalue sequence problem, powers of g ...				
15:30	AC213	MS-6	Mary Flagg	p85
The Strong Nullity Interlacing Property				
16:00	AC213	MS-6	Bryan Curtis	p86
Strong Spectral Norm Property				
14:30	O'Flaherty	MS-9	Anthony Cronin and Sepideh Stewart	p110
Analysis of Tutors' Feedback After Responding to Linear Algebra Students' Queries				
15:00	O'Flaherty	MS-9	Ann Sophie Stuhlmann	p111
Interactionist perspective on negotiation processes of students' different understandings during s...				
15:30	O'Flaherty	MS-9	Michelle Zandieh	p112
Linear combinations of vectors in Inquiry-Oriented Linear Algebra (IOLA)				
16:00	O'Flaherty	MS-9	John Sheekey	p113
Incorporating Tensors into Linear Algebra Courses				

14:30	AC201	MS-12	Paul Barry	p144
Riordan arrays: structure and positivity				
15:00	AC201	MS-12	Prateek Kumar Vishwakarma	p145
Positivity preservers forbidden to operate on diagonal blocks				
15:30	AC201	MS-12	Daniel Carter	p146
An Atomic Viewpoint of the Totally Positive Completion Problem				
16:00	AC201	MS-12	Mika Mattila	p147
Maximizing the number of positive eigenvalues of an LCM matrix				
14:30	AC203	MS-20	Susana Furtado	p210
Efficient vectors for perturbed consistent matrices				
15:00	AC203	MS-20	Richard Ellard	p211
An algorithmic approach to the Symmetric Nonnegative Inverse Eigenvalue Problem				
15:30	AC203	MS-20	Sirani M. Perera	p212
A Low-complexity Algorithm to Uncouple the Mutual Coupling Effect in Antenna Arrays				
16:00	AC203	MS-20	Natália Bebiano	p213
The periodic pseudo-Jacobi inverse eigenvalue problem				
14:30	AC215	MS-21	Borbala Hunyadi	p220
Structured Tensor Decompositions in Functional Neuroimaging: Estimating the Hemodynamic Response				
15:00	AC215	MS-21	Vicente Zarzoso	p221
Tensor Decomposition of ECG Records for Persistent Atrial Fibrillation Analysis				
15:30	AC215	MS-21	Orly Alter	p222
Multi-Tensor Decompositions for Personalized Cancer Medicine				
16:00	AC215	MS-21	Nico Vervliet	p223
A quadratically convergent proximal algorithm for nonnegative tensor decomposition				
17:00	O'Flaherty Theatre	Plenary Sessions	Pauline van den Driessche	p22
Linear Algebra is Everywhere: a Duo of Examples from Mathematical Biology				

TUESDAY, 21 JUNE, MORNING

09:00	O'Flaherty Theatre	Plenary Sessions	Nicolas Gillis	p23
	Historical tour on the nonnegative rank			
10:30	AC203	Contrib. 3A	Ivana Šain Glibić	p260
	Importance of the deflation process for the solution of quartic eigenvalue problem			
11:00	AC203	Contrib. 3A	Avleen Kaur	p261
	How the Friedrichs angle leads to lower bounds on the minimum singular value			
11:30	AC203	Contrib. 3A	George Hutchinson	p263
	On the enumeration and properties of complex matrix scalings			
10:30	AC204	Contrib. 3B	Dmitry Savostyanov	p259
	Tensor product approach to epidemiological models on networks			
11:00	AC204	Contrib. 3B	Ryan Wood	p262
	Dynamic Katz and Related Network Measures			
11:30	AC204	Contrib. 3B	Cheolwon Heo	p264
	The Complexity of the Matroid-homomorphism problems			
12:00	AC204	Contrib. 3B	Sophia Keip	p265
	Kirchberger's Theorem for Complexes of Oriented Matroids			
10:30	AC214	MS-2	Rapahel Loewy	p43
	On polynomials preserving nonnegative matrices			
11:00	AC214	MS-2	A.M. Encinas	p44
	Bisymmetric Nonnegative Jacobi Matrix Realizations			
11:30	AC214	MS-2	Julio Moro	p45
	A combinatorial characterization of lists realizable by compensation in the SNIEP			
10:30	Anderson	MS-4	Chi-Kwong Li	p62
	Some results and problems in Quantum Tomography			
11:00	Anderson	MS-4	Claus Koestler	p63
	Central limit theorems for braided coin tosses			
11:30	Anderson	MS-4	Darian McLaren	p64
	Evaluating Quantum Instruments			
10:30	AC201	MS-5	Rachel Quinlan	p75
	Alternating sign matrices of finite multiplicative order			
11:00	AC201	MS-5	Jephian C.-H. Lin	p76
	Comparability and cocomparability bigraphs			
11:30	AC201	MS-5	Gary Greaves	p77
	Spectral restrictions for certain symmetric ± 1 -matrices with applications to equiangular lines			
12:00	AC201	MS-5	M.J. de la Puente	p78
	Orthogonality for $(0, -1)$ tropical normal matrices			
10:30	AC215	MS-7	Peter Šemrl	p96
	Automorphisms of effect algebras			
11:00	AC215	MS-7	Mark Pankov	p97
	Adjacency preserving transformations of conjugacy classes of finite-rank self-adjoint operators			
11:30	AC215	MS-7	Janko Bračič	p98
	Collineations of a linear transformation			

10:30	AC202	MS-8	Aida Abiad	p103
Extending a conjecture of Graham and Lovász on the distance characteristic polynomial				
11:00	AC202	MS-8	Projesh Nath Choudhury	p104
Blowup-polynomials of graphs				
11:30	AC202	MS-8	Carlos A. Alfaro	p105
Distance ideals of graphs				
12:00	AC202	MS-8	Lorenzo Ciardo	p106
Two moments for trees				
10:30	O'Flaherty	MS-9	Sepideh Stewart, Anthony Cronin	p114
Students' Perspectives on Proofs in Linear Algebra: Ways of Thinking and Ways of Understanding in ...				
11:00	O'Flaherty	MS-9	Megan Wawro	p115
Student Reasoning about Linear Algebra in Quantum Mechanics				
11:30	O'Flaherty	MS-9	Amanda Harsy, Michael Smith	p116
Application Approach to Teaching Linear Algebra				
12:00	O'Flaherty	MS-9	Frank Uhlig	p117
16 Questions and Answers for a Modern first Linear Algebra and Matrix Theory Course				
12:00	AC203	MS-10	Niall Madden	p123
A boundary-layer preconditioner for singularly perturbed convection diffusion problems				
10:30	AC213	MS-22	Geertrui Van de Voorde	p233
The dual code of points and lines in a projective plane				
11:30	AC213	MS-22	Ignacio F. Rúa	p235
Codes over finite fields and Galois ring valued quadratic forms				
12:00	AC213	MS-22	Gary McGuire	p236
Linearized Polynomials and Galois Groups				

TUESDAY, 21 JUNE, AFTERNOON

14:00	AC203	Contrib. 4A	Plamen Koev	p266
Accurate Bidiagonal Decompositions of Structured Totally Nonnegative Matrices with Repeated Nodes				
14:30	AC203	Contrib. 4A	Michael Tsatsomeros	p269
The Fiber of P-matrices: the Recursive Construction of All Matrices with Positive Principal Minors				
15:00	AC203	Contrib. 4A	Raquel Viaña	p270
Accurate computation of the inverse of Totally Positive collocation matrices of the Lupaş-type (...)				
15:30	AC203	Contrib. 4A	Adi Niv	p272
Tropical Matrix Identities				
14:00	AC204	Contrib. 4B	Lauri Nyman	p267
Perturbation theory of transfer function matrices				
14:30	AC204	Contrib. 4B	Patricia Antunes	p268
Bi-additive Models: different types of distributions				
15:00	AC204	Contrib. 4B	Juyoung Jeong	p271
Weak majorization inequalities in Euclidean Jordan algebras				
15:30	AC204	Contrib. 4B	Luis Felipe Prieto-Martínez	p273
Geometric continuity, Riordan matrices and applications				
14:00	AC202	MS-1	Francesco Belardo	p36
Identifying the graphs whose (Laplacian) spectral radius is small				
14:30	AC202	MS-1	Cristina Dalfo	p37
Almost Moore and largest mixed graphs of diameter two and three				
15:00	AC202	MS-1	Ivan Damnjanović	p38
Assigned rational functions of a rooted tree				
14:00	D'Arcy Thompson	MS-3	Roland Hildebrand	p51
On the algebraic structure of the copositive cone				
14:30	D'Arcy Thompson	MS-3	Maxim Manainen	p52
Generating extreme copositive matrices near matrices obtained from COP-irreducible graphs				
15:00	D'Arcy Thompson	MS-3	Jordi Tura	p53
Entangled symmetric quantum states and copositive matrices				
15:30	D'Arcy Thompson	MS-3	Oliver Mason	p54
Copositivity and the Riccati Equation				
14:00	O'Flaherty	MS-11	Geir Dahl	p135
Richard, Matrices and Polyhedra				
14:30	O'Flaherty	MS-11	Seth A. Meyer	p136
Loopy 2-graphs				
15:00	O'Flaherty	MS-11	K.-T. Howell, N. A. Neudauer	p137
On the independence of near-vector spaces and their matroids				
15:30	O'Flaherty	MS-11	Gi-Sang Cheon	p138
Richard's mathematical legacy that influenced Korea				
14:00	AC201	MS-12	Hugo J. Woerdeman	p148
Completing an Operator Matrix and the Free Joint Numerical Radius				
14:30	AC201	MS-12	Tomack Gilmore	p149
Coefficientwise total positivity of some matrices defined by linear recurrences				
15:00	AC201	MS-12	Miklós Pálfia	p150
Free functions preserving certain partial orders of operators				

14:00	Anderson	MS-14	Rachel Quinlan	p159
The invention of character theory (via linear algebra)				
14:30	Anderson	MS-14	Zdeněk Strakoš	p160
Seventieth anniversary of the conjugate gradient method and what do old papers reveal about our pre...				
15:00	Anderson	MS-14	Claude Brezinski	p161
The life and the work of André Louis Cholesky				
15:30	Anderson	MS-14	Michela Redivo-Zaglia	p162
P. Stein and R.L. Rosenberg				
14:00	AC215	MS-21	Isabell Lehmann	p224
Multi-task fMRI data fusion using Independent Vector Analysis and the PARAFAC2 tensor decomposition				
14:30	AC215	MS-21	Christos Chatzichristos	p225
Early soft and flexible fusion of EEG and fMRI via tensor decompositions for multi-subject group an...				
15:00	AC215	MS-21	Mariya Ishteva	p226
Parameter Estimation of Parallel Wiener-Hammerstein Systems by Decoupling their Volterra Representa...				
15:30	AC215	MS-21	Eric Evert	p227
Existence of best low rank approximations of positive definite tensors				
14:00	AC213	MS-22	Jean-Guillaume Dumas	p237
Dynamic Proofs of Retrievalability and Verified Evaluation of Secret Dotproducts and Polynomials				
14:30	AC213	MS-22	Altan Berdan Kılıç	p238
One-Shot Capacity of Networks with Restricted Adversaries				
15:00	AC213	MS-22	Jan De Beule	p239
On Cameron-Liebler sets in projective spaces, and low degree Boolean functions				
15:30	AC213	MS-22	Anurag Bishnoi	p240
Trifferent codes and affine blocking sets				
16:30	O'Flaherty Theatre	Plenary Sessions	Patrick E. Farrell	p24
Reynolds-robust preconditioners for the stationary incompressible Navier-Stokes and MHD equations				

WEDNESDAY, 22 JUNE, MORNING

09:00	O'Flaherty Theatre	Plenary Sessions	Clément de Seguins Pazzis	p25
Decomposing matrices into quadratic ones				
10:30	AC204	Contrib. 5A	Milan Hladík	p274
Strong solvability of restricted interval systems and its applications in quadratic and geometric p...				
11:00	AC204	Contrib. 5A	Černý Martin	p276
Monge-like properties in the interval setting				
11:30	AC204	Contrib. 5A	Matyáš Lorenc	p278
Interval B -matrices, doubly B -matrices and B_{π}^R -matrices				
10:30	AC202	Contrib. 5B	Niel Van Buggenhout	p275
★-Lanczos procedure for non-autonomous ODEs				
11:00	AC202	Contrib. 5B	Paula Kimmerling	p277
Average Mixing Matrices on Dutch Windmill Graphs				
11:30	AC202	Contrib. 5B	Paola Boito	p279
Hub and authority centrality measures based on continuous-time quantum walks				
10:30	Anderson	MS-4	Travis B. Russell	p65
Universal operator systems generated by projections				
11:00	Anderson	MS-4	Mark Howard	p66
Quantum Advantage in Information Retrieval				
11:30	Anderson	MS-4	Michael Mc Gettrick	p67
Matrices of interest in higher dimensional quantum walks				
10:30	AC213	MS-6	Shahla Nasserar	p87
The Allows Problem for Graphs with Two Distinct Eigenvalues				
11:00	AC213	MS-6	Polona Oblak	p88
On the number of distinct eigenvalues of joins of two graphs				
11:30	AC213	MS-6	Derek Young	p89
Inverse eigenvalue and related problems for hollow matrices described by graphs				
10:30	AC215	MS-7	Apoorva Khare	p99
Preservers of moment sequences				
11:00	AC215	MS-7	Dániel Viroztek	p100
Barycenters of Hellinger distances and Kubo-Ando means as barycenters				
11:30	AC215	MS-7	Lajos Molnár	p101
Preservers related to the geometric mean and its variants				
10:30	AC201	MS-10	Patrick E. Farrell	p124
A scalable and robust vertex-star relaxation for high-order FEM				
11:00	AC201	MS-10	Siobhán Correnty	p125
Flexible infinite GMRES for parameterized linear systems				
11:30	AC201	MS-10	Kirk M. Soodhalter	p126
Analysis of block GMRES using a *-algebra-based approach				

10:30	D'Arcy Thompson	MS-15	Javier Perez	p164
	Error bounds for matrix polynomial eigenvectors			
11:00	D'Arcy Thompson	MS-15	Andrii Dmytryshyn	p165
	Recovering a perturbation of a matrix polynomial from a perturbation of its companion matrix			
11:30	D'Arcy Thompson	MS-15	Aaron Melman	p166
	Applications of companion forms to eigenvalue bounds and scalar polynomials			
10:30	AC214	MS-16	Homoon Ryu	p182
	Competition periods and matrix periods of Boolean Toeplitz matrices			
11:00	AC214	MS-16	Tian-Xiao He	p183
	A Recursive Relation Approach to Riordan Arrays			
11:30	AC214	MS-16	Gukwon Kwon	p184
	Riordan posets and associated matrix algebras			
10:30	O'Flaherty	MS-18	Álvar Martín	p200
	G -inverses for random walks			
11:00	O'Flaherty	MS-18	Federico Poloni	p201
	An edge centrality measure based on the Kemeny constant			
11:30	O'Flaherty	MS-18	María José Jiménez	p202
	Mean first passage time for distance-biregular graphs			
10:30	AC203	MS-20	João R. Cardoso	p217
	Some special matrices arising in computer vision and related optimization problems			
10:30	AC203	MS-20	Domingos M. Cardoso	p214
	Sharp bounds on the least eigenvalue of a graph determined from edge-clique partitions			
11:00	AC203	MS-20	Christian Berg	p215
	Self-adjoint operators associated with Hankel moment matrices			
11:30	AC203	MS-20	Rute Lemos	p216
	Inequalities for means of matrices			
12:00	O'Flaherty Theatre	Plenary Sessions	Christiane Tretter	p26
	From finite to infinite dimensions: Chances and challenges in spectral theory			

THURSDAY, 23 JUNE, MORNING

09:00	O'Flaherty Theatre	Plenary Sessions	Misha Kilmer	p27
Bridging the divide: from matrix to tensor algebra for optimal approximation and compression				
10:00		Poster Session	Blake McGrane-Corrigan	p296
Diffusive Stability, Common Lyapunov Functions and Leslie Matrices				
10:00		Poster Session	John Stewart Fabila-Carrasco	p293
The Cartesian product of graphs and entropy metrics for graph signals.				
10:00		Poster Session	Paula Kimmerling	p295
Recursion of Eigenvectors in Dutch Windmill Graphs				
10:00		Poster Session	Priyanka Joshi	p294
Powers of Karpeleviċ Arcs				
10:00		Poster Session	V A Kandappan	p298
Hierarchical Off Diagonal Low Rank Matrices (HODLR) for problems in higher dimensions				
10:00		Poster Session	Victoria Sánchez Muñoz	p297
The Mathematics behind the quantification of entanglement in Quantum Mechanics				
10:30	AC204	Contrib. 6A	Riadh ZORGATI	p281
Projections, L_p Norms and Stochastic Matrices for Ill-Conditioned Linear Systems of Equations				
11:00	AC204	Contrib. 6A	Philippe Dreesen	p283
Solving (Overdetermined) Polynomial Equations				
11:30	AC204	Contrib. 6A	Eric de Sturler	p285
Efficient Computation of Parametric Reduced Order Models using Randomization				
12:00	AC204	Contrib. 6A	Alicia Roca	p286
The change of the Weierstrass structure under one row perturbation				
10:30	Anderson	Contrib. 6B	André Ran	p280
Rational matrix solutions to $p(X) = A$				
11:00	Anderson	Contrib. 6B	Héctor Orera	p282
Bidiagonal decomposition and accurate computations with matrices of q -integers				
11:30	Anderson	Contrib. 6B	Yinfeng Zhu	p284
Hurwitz primitivity and synchronizing automata				
12:00	Anderson	Contrib. 6B	Raf Vandebril	p287
Construction of a sequence of orthogonal rational functions				
10:30	AC202	MS-8	Leslie Hogben	p107
Spectra of Variants of Distance Matrices of Graphs				
11:00	AC202	MS-8	Carolyn Reinhart	p108
The distance matrix and its variants for digraphs				
10:30	AC201	MS-10	John W. Pearson	p127
Preconditioned iterative methods for multiple saddle-point systems arising from PDE-constrained opt. . .				
11:00	AC201	MS-10	Xiao-Chuan Cai	p128
A recycling preconditioning method for crack propagation problems				
11:30	AC201	MS-10	Michal Outrata	p129
Preconditioning the Stage Equations of Implicit Runge Kutta Methods				
12:00	AC201	MS-10	Daniel B. Szyld	p130
Provable convergence rate for asynchronous methods via randomize linear algebra				

10:30	O'Flaherty	MS-11	Michael William Schroeder (#35)	p139
	On the spectrum of graduate research projects with Richard Brualdi			
11:00	O'Flaherty	MS-11	John Goldwasser	p140
	Permanents of t -triangular $(0, 1)$ -matrices			
11:30	O'Flaherty	MS-11	Jennifer J. Quinn	p141
	Determinants:Digraphs::Pfaffians:Matchings			
12:00	O'Flaherty	MS-11	Richard A. Brualdi	p142
	Pattern-Avoiding Permutation Matrices			
10:30	D'Arcy Thompson	MS-15	Luca Gemignani	p167
	Comparison Theorems for Splittings of M-matrices in block Hessenberg Form			
11:00	D'Arcy Thompson	MS-15	Kevin Vander Meulen	p168
	Using the Hessenberg Form of a Sparse Companion Matrix			
11:30	D'Arcy Thompson	MS-15	Gianna M. Del Corso	p169
	Orthogonal iterations on companion-like pencils			
12:00	D'Arcy Thompson	MS-15	Robert M. Corless	p170
	Algebraic Companions			
10:30	AC215	MS-18	Ángeles Carmona	p203
	Schrödinger random walks and mean first passage time generalization			
11:00	AC215	MS-18	Karel Devriendt	p204
	The resistance magnitude of a graph			
11:30	AC215	MS-18	Manuel Miranda	p205
	Biased Advection operators on undirected graphs			
12:00	AC215	MS-18	Steve Kirkland	p206
	Directed forests and the constancy of Kemeny's constant			
10:30	AC214	MS-21	Kim Batselier	p228
	Tensor-based methods for large-scale inverse problems in machine learning			
11:00	AC214	MS-21	Gerwald Lichtenberg	p229
	Multilinear Modeling for Control and Diagnosis			
11:30	AC214	MS-21	Jan Decuyper	p230
	Decoupling multivariate functions using a nonparametric filtered tensor decomposition			
12:00	AC214	MS-21	Patrick Gelß	p231
	Tensor-based training of neural networks			
10:30	AC213	MS-22	Heide Gluesing-Luerssen	p241
	Independent Spaces of q -Polymatroids			
11:00	AC213	MS-22	Giuseppe Cotardo	p242
	Rank-Metric Lattices			
11:30	AC213	MS-22	Anina Gruica	p243
	MRD Codes and the Average Critical Problem			
12:00	AC213	MS-22	Ferdinando Zullo	p244
	From linear to non-linear functions over finite fields			

THURSDAY, 23 JUNE, AFTERNOON

14:00	AC215	Contrib. 7	Madelein van Straaten	p288
<i>H</i> -selfadjoint <i>m</i> th roots of <i>H</i> -selfadjoint matrices over the quaternions				
14:30	AC215	Contrib. 7	Dawie Janse van Rensburg	p289
An alternative canonical form for quaternionic <i>H</i> -unitary matrices.				
15:00	AC215	Contrib. 7	M. Eulàlia Montoro	p290
The combinatory under isomorphic lattices of hyperinvariant subspaces				
14:00	D'Arcy Thompson	MS-3	Naomi Shaked-Monderer	p55
The $\{+, -, 0\}$ sign patterns of inverse doubly nonnegative matrices and inver...				
14:30	D'Arcy Thompson	MS-3	Sachindranath Jayaraman	p56
Linear preservers of copositive and completely positive matrices				
14:00	AC213	MS-6	Rupert Levene	p90
Spectral arbitrariness for trees fails spectacularly, I				
14:30	AC213	MS-6	H. Tracy Hall	p91
Spectral arbitrariness for trees fails spectacularly, II				
14:00	AC201	MS-10	Davide Palitta	p131
Matrix equation techniques for certain evolutionary partial differential equations				
14:30	AC201	MS-10	Conor McCoid	p132
Extrapolation methods as nonlinear Krylov methods				
15:00	AC201	MS-10	V A Kandappan	p133
A Domain Decomposition based preconditioner for Discretised Integral equations in two dimensions				
14:00	AC204	MS-13	James Cruickshank	p155
Global Rigidity for Line Constrained Frameworks				
14:30	AC204	MS-13	Shin-ichi Tanigawa	p156
A Characterization of Graphs of Super Stable Tensegrities				
15:00	AC204	MS-13	Sean Dewar	p157
The number of realisations of a minimally rigid graph in various geometries				
14:00	Anderson	MS-15	Vanni Noferini	p171
$\mathbb{DL}(P)$, Bézoutians, and the eigenvalue exclusion theorem for singular matrix polynomial...				
14:30	Anderson	MS-15	María C. Quintana	p172
Linearizations of rational matrices from general representations				
15:00	Anderson	MS-15	A. Satyanarayana Reddy	p173
Primitive Companion Matrices				
14:00	AC202	MS-17	Ferdinand Ihringer	p194
The Density of Complementary Subspaces				
14:30	AC202	MS-17	Eimear Byrne	p195
<i>q</i> -Polymatroids and Designs over $GF(q)$				
15:00	AC202	MS-17	Siripong Sirisuk	p196
Enumeration of some matrices and free linear codes over finite commutative rings				
14:30	O'Flaherty	MS-18	Jane Breen	p207
Kemeny's constant for non-backtracking random walks				
15:00	O'Flaherty	MS-18	Robert E. Kooij	p208
Kemeny's Constant for Several Families of Graphs and Real-world Networks				
14:00	AC203	MS-20	Mikhail Tyaglov	p218
Tridiagonal matrices with two periodic main diagonal				
16:00	O'Flaherty Theatre	Plenary Sessions	Monique Laurent	p28
Graphs, copositive matrices, and sums of squares of polynomials				

FRIDAY, 24 JUNE, MORNING

09:00	O'Flaherty Theatre	Plenary Sessions	Shmuel Friedland	p29
	Rank of a tensor and quantum entanglement			
10:30	Anderson	MS-4	Victoria Sánchez Muñoz	p68
	Quantum Information: the Mathematics behind the quantification of quantum entanglement and the dist. . .			
11:00	Anderson	MS-4	J. Alejandro Chávez-Domínguez	p69
	Isoperimetric inequalities for quantum graphs			
10:30	AC201	MS-5	Enide Andrade	p79
	Combinatorial Perron Parameters and Classes of Trees			
11:00	AC201	MS-5	Sooyeong Kim	p80
	Kemeny's constant for a chain of connected graphs with respect to a tree			
11:30	AC201	MS-5	Minerva Catral	p81
	Minimum number of distinct eigenvalues allowed by a sign pattern			
10:30	O'Flaherty	MS-9	Emily J. Evans	p118
	From beginner to expert, increasing linear algebra fluency and comfort with Python labs.			
11:00	O'Flaherty	MS-9	Heather Moon and Marie Snipes	p119
	Inspiring Linear Algebra Topics Using Image and Data Applications			
11:30	O'Flaherty	MS-9	Günhan Caglayan	p120
	Pedagogy of linear combination and the levels of thinking about linear combination			
12:00	O'Flaherty	MS-9	Damjan Kobal	p121
	Matrix zeros of polynomials			
10:30	D'Arcy Thompson	MS-15	Froilán Dopico	p174
	Linearizations of matrix polynomials via Rosenbrock polynomial system matrices			
11:00	D'Arcy Thompson	MS-15	Louis Deaett	p175
	Non-sparse companion matrices			
11:30	D'Arcy Thompson	MS-15	Roberto Canogar	p176
	Non-sparse Companion Hessenberg Matrices			
12:00	D'Arcy Thompson	MS-15	Fernando De Terán	p177
	Companion pencils for scalar (and matrix) polynomials in the monomial basis			
10:30	AC214	MS-16	Emanuele Munarini	p185
	Set coverings			
11:00	AC214	MS-16	Lou Shapiro	p186
	Pseudo-involutions and palindromes in the Riordan group			
11:30	AC214	MS-16	Ana Luzón	p187
	Commutators in the Riordan group			
12:00	AC214	MS-16	Nikolaos Pantelidis	p188
	Quasi-involutions of the Riordan group			
10:30	AC202	MS-17	Dean Crnković	p197
	q -ary strongly regular graphs			
11:00	AC202	MS-17	Robert Craigen	p198
	Negacyclic weighing matrices			
12:30	O'Flaherty Theatre	Plenary Sessions	Vilmar Trevisan	p30
	Eigenvalue Location of Symmetric Matrices			