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**THURSDAY, 23 JUNE, MORNING**

09:00	O'Flaherty Theatre	Plenary Sessions	<b>Misha Kilmer</b>	p27
Bridging the divide: from matrix to tensor algebra for optimal approximation and compression				
10:00		Poster Session	<b>Blake McGrane-Corrigan</b>	p297
Diffusive Stability, Common Lyapunov Functions and Leslie Matrices				
10:00		Poster Session	<b>John Stewart Fabila-Carrasco</b>	p294
The Cartesian product of graphs and entropy metrics for graph signals.				
10:00		Poster Session	<b>Paula Kimmerling</b>	p296
Recursion of Eigenvectors in Dutch Windmill Graphs				
10:00		Poster Session	<b>Priyanka Joshi</b>	p295
Powers of Karpeleviċ Arcs				
10:00		Poster Session	<b>V A Kandappan</b>	p299
Hierarchical Off Diagonal Low Rank Matrices (HODLR) for problems in higher dimensions				
10:00		Poster Session	<b>Victoria Sánchez Muñoz</b>	p298
The Mathematics behind the quantification of entanglement in Quantum Mechanics				
10:30	AC204	Contrib. 6A	<b>Riadh ZORGATI</b>	p281
Projections, $L_p$ Norms and Stochastic Matrices for Ill-Conditioned Linear Systems of Equations				
11:00	AC204	Contrib. 6A	<b>Philippe Dreesen</b>	p283
Solving (Overdetermined) Polynomial Equations				
11:30	AC204	Contrib. 6A	<b>Eric de Sturler</b>	p285
Efficient Computation of Parametric Reduced Order Models using Randomization				
12:00	AC204	Contrib. 6A	<del><b>Alicia Roca</b></del>	p286
<del>The change of the Weierstrass structure under one row perturbation</del>				
10:30	Anderson	Contrib. 6B	<b>André Ran</b>	p280
Rational matrix solutions to $p(X) = A$				
11:00	Anderson	Contrib. 6B	<b>Héctor Orera</b>	p282
Bidiagonal decomposition and accurate computations with matrices of $q$ -integers				
11:30	Anderson	Contrib. 6B	<b>Yinfeng Zhu</b>	p284
Hurwitz primitivity and synchronizing automata				
12:00	Anderson	Contrib. 6B	<b>Raf Vandebril</b>	p287
Construction of a sequence of orthogonal rational functions				
10:30	AC202	MS-8	<b>Leslie Hogben</b>	p107
Spectra of Variants of Distance Matrices of Graphs				
11:00	AC202	MS-8	<b>Carolyn Reinhart</b>	p108
The distance matrix and its variants for digraphs				
10:30	AC201	MS-10	<b>John W. Pearson</b>	p127
Preconditioned iterative methods for multiple saddle-point systems arising from PDE-constrained opt. . .				
11:00	AC201	MS-10	<b>Xiao-Chuan Cai</b>	p128
A recycling preconditioning method for crack propagation problems				
11:30	AC201	MS-10	<b>Michal Outrata</b>	p129
Preconditioning the Stage Equations of Implicit Runge Kutta Methods				
12:00	AC201	MS-10	<b>Daniel B. Szyld</b>	p130
Provable convergence rate for asynchronous methods via randomize linear algebra				

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

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**THURSDAY, 23 JUNE, AFTERNOON**

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