

ILAS 2017: Connections Schedule

	<u>Monday, July 24</u>	<u>Tuesday, July 25</u>	<u>Wednesday, July 26</u>	<u>Thursday, July 27</u>	<u>Friday, July 28</u>	
7:30	Registration (45 mins) Hoover 2100					7:30
7:45			Excursion - Living History Farms Buses Load 7:45			7:45
8:00		Plenary 4 (50 mins) Tamara G. Kolda Sandia National Laboratories Tensor Decomposition: A Mathematical Tool for Data Analysis and Compression Hoover 2055	Buses Depart 8:00	Plenary 7 (50 mins) Rajendra Bhatia Indian Statistical Institute Another metric, another mean Hans Schneider Prize Speaker Hoover 2055	Parallel Sessions 11 (120 mins - 4 talks) Carver Hall 9 parallel sessions: (202) <i>Combinatorial Matrix Theory</i> (268) <i>Compressed Sensing</i> (290) <i>Geometry</i> (232) <i>Nonnegative Inverse Eigenvalue</i> (305) <i>Quantum Information Science</i> (274) <i>Representation Theory</i> (204) <i>Spectral Graph Theory</i> (294) <i>Tensors and Manifolds</i> (282) <i>Toeplitz Matrices and RH</i>	8:00
8:15	Opening Remarks Hoover 2055		Collaboration time for non-Excursion participants			8:15
8:30	Plenary 1 (50 mins) Vern Paulsen University of Waterloo Quantum Chromatic Numbers Hoover 2055					8:30
8:50		Plenary 5 (50 mins) Miklós Pálfia Sungkyunkwan University On the recent advances in the multivariable theory of opera- tor monotone functions and means Tausky-Todd Lecturer Hoover 2055	Buses Arrive LHF	Plenary 8 (50 mins) Rachel Ward University of Texas Learning dynamical systems from highly corrupted meas- urements Hoover 2055		8:50
9:20	Plenary 2 (50 mins) Helena Smigoc University College Dublin From positive matrices to neg- ative polynomial coefficients LAMA Lecturer Hoover 2055					9:20
9:40		Coffee Break (30 mins) Carver 205		Coffee Break (30 mins) Carver 205		9:40
10:00					Coffee Break (30 mins) Carver 205	10:00
10:10	Coffee Break (30 mins) Carver 205	Parallel Sessions 4 (120 mins - 4 talks) Carver Hall		Parallel Sessions 9 (120 mins - 4 talks) Carver Hall		10:10
10:30		8 parallel sessions: (202) <i>Combinatorial Matrix Theory</i> (294) <i>Distance & Dynamical Systems</i> (204) <i>Geometry</i> (268) <i>Numerical Ranges</i> (305) <i>Positivity with Applications</i> (274) <i>Representation Theory</i> (232) <i>Contributed 5</i> (282) <i>Contributed 6</i>		9 parallel sessions: (202) <i>Combinatorial Matrix Theo</i> (204) <i>Distances on Networks</i> (268) <i>Krylov & filtering for eigen</i> (305) <i>Matrix Inequalities</i> (232) <i>Positivity with Applications</i> (274) <i>Random Matrix Theory</i> (294) <i>Tensors and Manifolds</i> (282) <i>Toeplitz Matrices and RH</i> (290) <i>Contributed 12</i>		10:30
10:40	Parallel Sessions 1 (90 mins - 3 talks) Carver Hall 9 parallel sessions: (202) <i>Combinatorial Matrix Theo</i> (305) <i>Matrix Inequalities</i> (232) <i>Nonnegative Inverse Eigenvalue</i> (204) <i>Numerical Eigenvalue Methods</i> (268) <i>Numerical Ranges</i> (294) <i>Operator Algebra</i> (274) <i>Representation Theory</i> (282) <i>Solving Matrix Equations</i> (290) <i>Contributed 1</i>				Plenary 11 (50 mins) Chris Godsil University of Waterloo Graph invariants from quantum walks Hoover 2055	10:40
11:20			Box lunch available for LHF participants		Plenary 12 (50 mins) Raf Vandebril KU Leuven Fast and Stable Roots of Polynomials via Companion Matrices ILAS 30th Anniversary LAA Hoover 2055	11:20
11:50			Buses Load 11:50			11:50
12:00			Buses leave LHF at 12 noon			12:00
12:10	Lunch Break (on your own) (95 mins)	Lunch Break (on your own) (95 mins)		Lunch Break (on your own) (95 mins)	Closing Remarks (15 mins)	12:10
12:20						12:20
13:00			Buses return to ISU 1:00 (approximate)			13:00
13:15			Parallel Sessions 7 (90 mins - 3 talks) Carver Hall			13:15

13:45	Plenary 3 (50 mins) Van Vu Yale University Perturbation with random noise Hoover 2055	Plenary 6 (50 mins) Hal Caswell University of Amsterdam Matrix population models: Connecting individuals and populations Hoover 2055	9 parallel sessions: (294) <i>Association Schemes</i> (232) <i>Mathematical Biology</i> (305) <i>Matrix Inequalities</i> (274) <i>Numerical Eigenvalue Meth</i> (268) <i>Solving Matrix Equations</i> (204) <i>Spectral Graph Theory</i> (202) <i>Zero Forcing</i> (282) <i>Numerical Ranges</i> (290) <i>Contributed 9</i>	Plenary 9 (50 mins) Willem Haemers Tilburg University Spectral characterizations of graphs Hoover 2055	13:45
14:35	Walking time (10 mins)	Walking time (10 mins)		Plenary 10 (50 mins) Stefan Güttel The University of Manchester The Nonlinear Eigenvalue Problem SIAG-LA Lecturer Hoover 2055	14:35
14:45	Parallel Sessions 2 (90 mins - 3 talks) Carver Hall 9 parallel sessions: (274) <i>Education</i> (268) <i>Krylov & filtering for eigen</i> (232) <i>Mathematical Biology</i> (305) <i>Matrix Inequalities</i> (202) <i>Positivity with Applications</i> (294) <i>Solving Matrix Equations</i> (204) <i>Spectral Graph Theory</i> (282) <i>Contributed 2</i> (290) <i>Contributed 3</i>	Parallel Sessions 5 (90 mins - 3 talks) Carver Hall 8 parallel sessions: (294) <i>Association Schemes</i> (202) <i>Education</i> (232) <i>Mathematical Biology</i> (305) <i>Matrix Polynomials</i> (268) <i>Solving Matrix Equations</i> (204) <i>Spectral Graph Theory</i> (274) <i>Contributed 7</i> (282) <i>Contributed 8</i>	Coffee Break (30 mins) Carver 205	The University of Manchester The Nonlinear Eigenvalue Problem SIAG-LA Lecturer Hoover 2055	14:45
15:15			Parallel Sessions 8 (90 mins - 3 talks) Carver Hall 9 parallel sessions: (294) <i>Association Schemes</i> (268) <i>Compressed Sensing</i> (232) <i>Matrix Polynomials</i> (305) <i>Quantum Information Science</i> (274) <i>Random Matrix Theory</i> (204) <i>Spectral Graph Theory</i> (202) <i>Zero Forcing</i> (282) <i>Contributed 10</i> (290) <i>Contributed 11</i>		15:15
15:25				Coffee Break (35 mins) Carver 205	15:25
16:00				Parallel Sessions 10 (90 mins - 3 talks) Carver Hall 9 parallel sessions: (202) <i>Combinatorial Matrix Theory</i> (204) <i>Compressed Sensing</i> (268) <i>Matrix Inequalities</i> (232) <i>Matrix Polynomials</i> (294) <i>Operator Algebra</i> (305) <i>Quantum Information Science</i> (282) <i>Toeplitz Matrices and RH</i> (274) <i>Contributed 13</i> (290) <i>Contributed 14</i>	16:00
16:15	Coffee Break (30 mins) Carver 205	Coffee Break (30 mins) Carver 205			16:15
16:45	Parallel Sessions 3 (90 mins - 3 talks) Carver Hall 8 parallel sessions: (294) <i>Association Schemes</i> (202) <i>Compressed Sensing</i> (274) <i>Education</i> (232) <i>Mathematical Biology</i> (268) <i>Matrix Polynomials</i> (305) <i>Quantum Information Science</i> (204) <i>Zero Forcing</i> (282) <i>Contributed 4</i>	Parallel Sessions 6 (90 mins - 3 talks) Carver Hall 7 parallel sessions: (202) <i>Distances on Networks</i> (274) <i>Education</i> (268) <i>Krylov & filtering for eigenvalues</i> (232) <i>Mathematical Biology</i> (305) <i>Quantum Information Science</i> (282) <i>Toeplitz Matrices and RH</i> (204) <i>Zero Forcing</i>	ILAS Business Meeting 90 Mins 305 Carver		16:45
17:30				Open/Walking Time (15 mins)	17:30
17:45				Banquet (135 mins) Memorial Union	17:45
18:15	Open/Walking Time (15 mins)				18:15
18:30	Poster Session/Reception (90 mins) Memorial Union ILAS 30th Birthday Celebration				18:30

20:00 Monday, July 24

Tuesday, July 25

Wednesday, July 26

Thursday, July 27

Friday, July 28