

# ILAS 2017: Connections Schedule

	Monday, July 24	Tuesday, July 25	Wednesday, July 26	Thursday, July 27	Friday, July 28	
7:30	<b>Registration</b> (45 mins) Hoover Hall					7:30
7:45			<b>Excursion - Living History Farms</b> Buses Load 7:45			7:45
8:00		<b>Plenary 4</b> (50 mins) <b>Tammy Kolda</b> Sandia National Laboratories Tensor Decomposition: A Mathematical Tool for Data Analysis and Compression Hoover Hall	Buses Depart 8:00	<b>Plenary 7</b> (50 mins) <b>Rajendra Bhatia</b> Indian Statistical Institute Another metric, another mean Hans Schneider Prize Speaker Hoover Hall	<b>Parallel Sessions 11</b> (120 mins - 4 talks) Carver Hall	8:00
8:15	<b>Opening Remarks</b> (15 mins) Hoover Hall		Collaboration time for non-Excursion participants		9 parallel sessions: <i>Combinatorial Matrix Theory</i> <i>Compressed Sensing</i> <i>Geometry</i> <i>Nonnegative Inverse Eigenvalue</i> <i>Quantum Information Science</i>	8:15
8:30	<b>Plenary 1</b> (50 mins) <b>Vern Paulsen</b> University of Waterloo Quantum Chromatic Numbers Hoover Hall					8:30
8:50		<b>Plenary 5</b> (50 mins) <b>Miklos Palfia</b> Kyoto University On the recent advances in the multivariable theory of opera- tor monotone functions and means Tausky-Todd Lecturer Hoover Hall	Buses Arrive LHF	<b>Plenary 8</b> (50 mins) <b>Rachel Ward</b> University of Texas Learning dynamical systems from highly corrupted meas- urements Hoover Hall	<i>Representation Theory</i> <i>Spectral Graph Theory</i> <i>Tensors and Manifolds</i> <i>Toeplitz Matrices and RH</i>	8:50
9:20	<b>Plenary 2</b> (50 mins) <b>Helena Smigoc</b> University College Dublin From positive matrices to neg- ative polynomial coefficients LAMA Lecturer Hoover Hall					9:20
9:40		<b>Coffee Break</b> (30 mins) Carver Hall		<b>Coffee Break</b> (30 mins) Carver Hall		9:40
10:00					<b>Coffee Break</b> (30 mins) Carver Hall	10:00
10:10	<b>Coffee Break</b> (30 mins) Carver Hall	<b>Parallel Sessions 4</b> (120 mins - 4 talks) Carver Hall		<b>Parallel Sessions 9</b> (120 mins - 4 talks) Carver Hall		10:10
10:30		9 parallel sessions: <i>Combinatorial Matrix Theory</i> <i>Distance &amp; Dynamical Systems</i> <i>Geometry</i> <i>Numerical Ranges</i> <i>Positivity with Applications</i> <i>Representation Theory</i> <i>Contributed 6</i> <i>Contributed 7</i> <i>Contributed 8</i>		9 parallel sessions: <i>Combinatorial Matrix Theory</i> <i>Distances on Networks</i> <i>Krylov &amp; filtering for eigenvalues</i> <i>Matrix Inequalities</i> <i>Positivity with Applications</i> <i>Random Matrix Theory</i> <i>Tensors and Manifolds</i> <i>Toeplitz Matrices and RH</i> <i>Contributed 17</i>		10:30
10:40	<b>Parallel Sessions 1</b> (90 mins - 3 talks) Carver Hall				<b>Plenary 11</b> (50 mins) <b>Chris Godsil</b> University of Waterloo Graph invariants from quantum walks Hoover Hall	10:40
11:20	9 parallel sessions: <i>Combinatorial Matrix Theory</i> <i>Matrix Inequalities</i> <i>Nonnegative Inverse Eigenvalue</i> <i>Numerical Eigenvalue Methods</i> <i>Numerical Ranges</i> <i>Operator Algebra</i> <i>Representation Theory</i> <i>Solving Matrix Equations</i> <i>Contributed 1</i>		Box lunch available for LHF participants			11:20
11:50			Buses Load 11:50		<b>Plenary 12</b> (50 mins) <b>Raf Vandebril</b> KU Leuven The QR Algorithm Revisited -- Core Chasing Algorithms ILAS 30th Anniversary LAA Hoover Hall	11:50
12:00			Buses leave LHF at 12 noon			12:00
12:10	<b>Lunch Break</b> (on your own) (95 mins)	<b>Lunch Break</b> (on your own) (95 mins)		<b>Lunch Break</b> (on your own) (95 mins)	<b>Closing Remarks</b> (15 mins)	12:10
12:20						12:20
13:00			Buses return to ISU 1:00 (approximate)			13:00
13:15			<b>Parallel Sessions 7</b> (90 mins - 3 talks) Carver Hall			13:15

13:45	<b>Plenary 3</b> (50 mins) <b>Van Vu</b> Yale University Perturbation with random noise Hoover Hall	<b>Plenary 6</b> (50 mins) <b>Hal Caswell</b> University of Amsterdam Matrix population models: Connecting individuals and populations Hoover Hall	9 parallel sessions: <i>Association Schemes</i> <i>Mathematical Biology</i> <i>Matrix Inequalities</i> <i>Numerical Eigenvalue Methods</i> <i>Numerical Ranges</i> <i>Solving Matrix Equations</i> <i>Spectral Graph Theory</i> <i>Zero Forcing</i> <i>Contributed 14</i>	<b>Plenary 9</b> (50 mins) <b>Willem Haemers</b> Tilburg University Spectral characterizations of graphs Hoover Hall	13:45
14:35	<b>Walking time</b> (10 mins)	<b>Walking time</b> (10 mins)		<b>Plenary 10</b> (50 mins) <b>Stefan Güttel</b> The University of Manchester The Nonlinear Eigenvalue Problem SIAG-LA Lecturer Hoover Hall	14:35
14:45	<b>Parallel Sessions 2</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Education</i> <i>Krylov &amp; filtering for eigenvalues</i> <i>Mathematical Biology</i> <i>Matrix Inequalities</i> <i>Positivity with Applications</i> <i>Solving Matrix Equations</i> <i>Spectral Graph Theory</i> <i>Contributed 2</i> <i>Contributed 3</i>	<b>Parallel Sessions 5</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Association Schemes</i> <i>Education</i> <i>Mathematical Biology</i> <i>Matrix Polynomials</i> <i>Solving Matrix Equations</i> <i>Spectral Graph Theory</i> <i>Contributed 9</i> <i>Contributed 10</i> <i>Contributed 11</i>	<b>Coffee Break</b> (30 mins) Carver Hall  <b>Parallel Sessions 8</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Association Schemes</i> <i>Compressed Sensing</i> <i>Matrix Polynomials</i> <i>Quantum Information Science</i> <i>Random Matrix Theory</i> <i>Spectral Graph Theory</i> <i>Zero Forcing</i> <i>Contributed 15</i> <i>Contributed 16</i>	<b>Parallel Sessions 10</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Combinatorial Matrix Theory</i> <i>Compressed Sensing</i> <i>Matrix Inequalities</i> <i>Matrix Polynomials</i> <i>Operator Algebra</i> <i>Quantum Information Science</i> <i>Toeplitz Matrices and RH</i> <i>Contributed 18</i> <i>Contributed 19</i>	14:45
15:15					15:15
15:25				<b>Coffee Break</b> (35 mins) Carver Hall	15:25
16:00					16:00
16:15	<b>Coffee Break</b> (30 mins) Carver Hall	<b>Coffee Break</b> (30 mins) Carver Hall			16:15
16:45	<b>Parallel Sessions 3</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Association Schemes</i> <i>Compressed Sensing</i> <i>Education</i> <i>Mathematical Biology</i> <i>Matrix Polynomials</i> <i>Quantum Information Science</i> <i>Zero Forcing</i> <i>Contributed 4</i> <i>Contributed 5</i>	<b>Parallel Sessions 6</b> (90 mins - 3 talks) Carver Hall  9 parallel sessions: <i>Distances on Networks</i> <i>Education</i> <i>Krylov &amp; filtering for eigenvalues</i> <i>Mathematical Biology</i> <i>Quantum Information Science</i> <i>Toeplitz Matrices and RH</i> <i>Zero Forcing</i> <i>Contributed 12</i> <i>Contributed 13</i>	<b>ILAS Business Meeting</b> 90 Mins		16:45
17:30				<b>Open/Walking Time</b> (15 mins)	17:30
17:45				<b>Banquet</b> (135 mins) Memorial Union	17:45
18:15	<b>Open/Walking Time</b> (15 mins)				18:15
18:30	<b>Poster Session/Reception</b> (90 mins) Memorial Union  ILAS 30th Birthday Celebration				18:30
20:00	<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>