

ILAS 2017: Connections Schedule

Time	Monday, July 24	Tuesday, July 25	Wednesday, July 26	Thursday, July 27	Friday, July 28	Time
7:30	Registration (45 mins) Hoover Atrium					7:30
7:45						Excursion-Living History Farms Buses Load 7:45am
8:00		Plenary 4 (50 mins) Hoover 2055	Buses Depart 8:00am	Plenary 7 (50 mins) Hoover 2055		8:00
8:15	Opening Remarks Hoover 2055	Tamara G. Kolda Sandia National Laboratories	Collaboration time for non-Excursion participants	Rajendra Bhatia Indian Statistical Institute Hans Schneider Prize Speaker		8:15
8:30	Plenary 1 (50 mins) Hoover 2055	<i>Tensor Decomposition: A Mathematical Tool for Data Analysis and Compression</i>		<i>Another metric, another mean</i>	Parallel Sessions 11 (120 mins - 4 talks) Carver Hall (room numbers below)	8:30
8:50	Vern Paulsen University of Waterloo <i>Quantum Chromatic Numbers</i>	Plenary 5 (50 mins) Hoover 2055	Buses Arrive LHF	Plenary 8 (50 mins) Hoover 2055		9 parallel sessions: (101) Combinatorial Matrix Theory (268) Compressed Sensing (290) Geometry (232) Nonnegative Inverse Eigenvalue (305) Quantum Information Science (274) Representation Theory
9:20	Plenary 2 (50 mins) Hoover 2055	<i>On the recent advances in the multivariable theory of monotone functions and means</i>		<i>Learning dynamical systems from highly corrupted measurements</i>	(204) Spectral Graph Theory (294) Tensors and Manifolds (282) Toeplitz Matrices and RH	9:20
9:40	Helena Šmigoc University College Dublin LAMA Lecturer	Coffee Break (30 mins) Carver Lobby and Carver 205		Group Photo Hoover 2055		9:40
10:00	<i>From positive matrices to negative polynomial coefficients</i>			Coffee Break (30 mins) Carver Lobby and Carver 205		10:00
10:10	Coffee Break (30 mins) Carver Lobby and Carver 205	Parallel Sessions 4 (120 mins - 4 talks) Carver Hall (room numbers below)		Parallel Sessions 9 (120 mins - 4 talks) Carver Hall (room numbers below)		10:10
10:30		8 parallel sessions: (101) Combinatorial Matrix Theory (294) Distance & Dynamical Systems (204) Geometry		9 parallel sessions: (101) Combinatorial Matrix Theory (204) Distances on Networks (268) Krylov & filtering for eigenvalues	Coffee Break (30 mins) Carver Lobby and Carver 205	10:30
10:40	Parallel Sessions 1 (90 mins - 3 talks) Carver Hall (room numbers below)	(268) Numerical Ranges (305) Positivity with Applications (274) Representation Theory (232) Contributed 4 (282) Contributed 5		(305) Matrix Inequalities (232) Positivity with Applications (274) Random Matrix Theory (294) Tensors and Manifolds (282) Toeplitz Matrices and RH (290) Contributed 11		10:40
11:00	8 parallel sessions: (202) Combinatorial Matrix Theory (305) Matrix Inequalities (232) Nonnegative Inverse Eigenvalue (204) Numerical Eigenvalue Methods (268) Numerical Ranges (294) Operator Algebra (274) Representation Theory (282) Solving Matrix Equations		Box lunch available for LHF participants		Plenary 11 (50 mins) Hoover 2055	11:00
11:50			Buses Load 11:50am Buses leave LHF at 12 noon		Raf Vandebril KU Leuven ILAS 30th Anniversary LAA Lecturer <i>Fast and Stable Roots of Polynomials via Companion Matrices</i>	11:50
12:10	Lunch Break (95 mins) On your own -- Please see your program for lunch options on ISU Campus and nearby! Pre-Purchased Box Lunches will be distributed in the Carver Hall Lobby.	Lunch Break (95 mins) On your own -- Please see your program for lunch options on ISU Campus and nearby!		Lunch Break (95 mins) On your own -- Please see your program for lunch options on ISU Campus and nearby!	Closing Remarks (15 mins) Hoover 2055 Travel safely home!	12:10
13:00			Buses return to ISU 1:00pm (approximate)			13:00
13:15			Parallel Sessions 7 (90 mins - 3 talks) Carver Hall (see next page for details and room numbers)			13:15
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13:45	Plenary 3 (50 mins) Hoover 2055 Chris Godsil University of Waterloo <i>Graph invariants from quantum walks</i>	Plenary 6 (50 mins) Hoover 2055 Hal Caswell University of Amsterdam <i>Matrix population models: Connecting individuals and populations</i>	Parallel Sessions 7 (starts at 13:15) <u>9 parallel sessions:</u> <i>(294) Association Schemes</i> <i>(232) Mathematical Biology</i> <i>(305) Matrix Inequalities</i> <i>(274) Numerical Eigenvalue Methods</i> <i>(268) Solving Matrix Equations</i> <i>(204) Spectral Graph Theory</i> <i>(202) Zero Forcing</i> <i>(282) Numerical Ranges</i> <i>(290) Contributed 8</i>	Plenary 9 (50 mins) Hoover 2055 Willem Haemers Tilburg University <i>Spectral characterizations of graphs</i>		13:45
14:35	Walking time (10 mins)	Walking time (10 mins)		Plenary 10 (50 mins) Hoover 2055 Stefan Güttel The University of Manchester SIAG-LA Lecturer <i>The Nonlinear Eigenvalue Problem</i>		14:35
14:45	Parallel Sessions 2 (90 mins - 3 talks) Carver Hall (room numbers below) <u>9 parallel sessions:</u> <i>(274) Education</i> <i>(268) Krylov & filtering for eigenvalues</i> <i>(232) Mathematical Biology</i> <i>(305) Matrix Inequalities</i> <i>(202) Positivity with Applications</i> <i>(294) Solving Matrix Equations</i> <i>(204) Spectral Graph Theory</i> <i>(282) Contributed 1</i> <i>(290) Contributed 2</i>	Parallel Sessions 5 (90 mins - 3 talks) Carver Hall (room numbers below) <u>8 parallel sessions:</u> <i>(294) Association Schemes</i> <i>(202) Education</i> <i>(232) Mathematical Biology</i> <i>(305) Matrix Polynomials</i> <i>(268) Solving Matrix Equations</i> <i>(204) Spectral Graph Theory</i> <i>(274) Contributed 6</i>	Coffee Break (30 mins) Carver Lobby and Carver 205 Parallel Sessions 8 (90 mins - 3 talks) Carver Hall (room numbers below) <u>8 parallel sessions:</u> <i>(294) Association Schemes</i> <i>(268) Compressed Sensing</i> <i>(232) Matrix Polynomials</i> <i>(305) Quantum Information Science</i> <i>(274) Random Matrix Theory</i> <i>(204) Spectral Graph Theory</i> <i>(202) Zero Forcing</i> <i>(290) Contributed 10</i>			14:45
15:15						15:15
15:25				Coffee Break (30 mins) Carver Lobby and Carver 205		15:25
16:00				Parallel Sessions 10 (90 mins - 3 talks) Carver Hall (room numbers below) <u>9 parallel sessions:</u> <i>(101) Combinatorial Matrix Theory</i> <i>(204) Compressed Sensing</i> <i>(268) Matrix Inequalities</i> <i>(232) Matrix Polynomials</i> <i>(294) Operator Algebra</i> <i>(305) Quantum Information Science</i> <i>(282) Toeplitz Matrices and RH</i> <i>(274) Contributed 12</i> <i>(290) Contributed 13</i>		16:00
16:15	Coffee Break (30 mins) Carver Lobby and Carver 205	Coffee Break (30 mins) Carver Lobby and Carver 205				16:15
16:45	Parallel Sessions 3 (90 mins - 3 talks) Carver Hall (room numbers below) <u>8 parallel sessions:</u> <i>(294) Association Schemes</i> <i>(202) Compressed Sensing</i> <i>(274) Education</i> <i>(232) Mathematical Biology</i> <i>(268) Matrix Polynomials</i> <i>(305) Quantum Information Science</i> <i>(204) Zero Forcing</i> <i>(282) Contributed 3</i>	Parallel Sessions 6 (90 mins - 3 talks) Carver Hall (room numbers below) <u>7 parallel sessions:</u> <i>(202) Distances on Networks</i> <i>(274) Education</i> <i>(268) Krylov & filtering for eigenvalues</i> <i>(232) Mathematical Biology</i> <i>(305) Quantum Information Science</i> <i>(282) Toeplitz Matrices & RH</i> <i>(204) Zero Forcing</i>	ILAS Business Meeting (90 mins) Carver 305			16:45
17:30				Walking time (15 mins)		17:30
17:45				Banquet (135 mins) Memorial Union Great Hall Presentation of Hans Schneider Prize		17:45
18:15	Walking time (15 mins)					18:15
18:30	Opening Reception and Poster Session (90 mins) Memorial Union Sun Room ILAS 30th Birthday Celebration and Special Recognition of James and Judith Weaver, long-time ILAS volunteers!					18:30
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