

Program

Plenary and special lectures are held in the Auditorium; mini-symposia and contributed talks are held in rooms: Auditorium, Fermi, Pacinotti, Galilei, A, B, and C. Contributed talks and talks in mini-symposia have a length of 20 + 5 minutes.

Registration can be performed at the registration desk in the lobby of Palazzo dei Congressi on Sunday 20 from 17:00 to 20:00, and on Monday 21 from 7:45 to 18:00.

The following abbreviations are used:

CT	Contributed Talks	INV-PROB	Linear Algebra in Inverse Problems
COMBIN	Combinatorial Linear Algebra	CURVE	Linear Algebra in Curve and Surface Modeling
EDU	Linear Algebra Education	QUANTUM	Linear Algebra in Quantum Information Theory
MARKOV	Markov Chains	INEQ	Matrix Inequalities – In Memory of Ky Fan
FUN/EQ	Matrix Functions and Matrix Equations	MEANS	Matrix Means
NONNEG	Nonnegative Matrices	MAX-ALG	Max Algebras
STRUCT	Structured Matrices	EIGEN	Nonlinear Eigenvalue Problems
APPL	Applications of Linear and Multilinear Algebra in Life Sciences and Engineering	GRAPH	Spectral Graph Theory
GEN-INV	Generalized Inverses and Applications	TENSOR	Tensor Computations in Linear and Multilinear Algebra

MONDAY 21

8:45	Opening						
9:00	RAJENDRA BHATIA, <i>Loewner Matrices</i>						
9:45	LEK-HENG LIM (LAA LECTURE), <i>Multilinear Algebra and Its Applications</i>						
10:30	Coffee break						
	Auditorium	Room Fermi	Room Pacinotti	Room Galilei	Room A	Room B	Room C
	INEQ	CURVE	FUN/EQ	GEN-INV	CT	CT	COMBIN
11:00	K. Audenaert	N. Guglielmi	L. Grasedyck	G.P.H. Styan	M. Mitrouli	G. Dolinar	S.M. Cioaba
11:25	J.C. Bourin	V. Protasov	T. Reis	H. Diao	M. Chamberland	H. Wimmer	W. Haemers
11:50	R. Horn	C. Moeller	N. Truhar	A. Pantelous	T.P. Cason	R. Quinlan	D. Stevanovic
12:15	F. Kittaneh	S. Morigi	L. Knizhnerman	K. Avrachenkov	M. Nkengla	B. Kuzma	V. Nikiforov
12:40	Lunch – First Day Box Luncheon , offered by ILAS						

14:00	PAULINE VAN DEN DRIESSCHE, <i>Potential Stability and Related Spectral Properties of Sign Patterns</i>						
14:45	Mini break						
	MAX-ALG	CT	FUN/EQ	GEN-INV	CT	CT	COMBIN
15:00	S. Gaubert	A. Miedlar	D. Bini	N. Castro-González	J.C. Abderraman	V. Protasov	S. Fallat
15:25	A. Guterman	J.M. Molera	T. Damm	A.D. Karageorgos	V.N. Chugunov	A. Peperko	C.R. Johnson
15:50	G. Merlet	M. Rozloznik	D. Chu	P. Patricio	A. Klein	—	C.M. Saiago
16:15	Coffee break						
	MAX-ALG	CT	FUN/EQ	GEN-INV	—	MARKOV	CT
16:45	M. Gavalec	D. Watkins	P. Lancaster	E. Dopazo	—	E. Seneta (S. Kirkland)	M. Yanagida
17:10	J. Plavka	B. Plestenjak	W.-W. Lin	T. Damm	—	I. Ben Ari	R. Lemos
17:35	L. Hardouin	I. Slapnicar	F. Poloni	N.C. Dinčić	—	R. Bapat	S. Furuichi
18:00	Welcome Reception sponsored by Elsevier, publishers of Linear Algebra and its Applications						

TUESDAY 22

9:00	DANIEL SZYLD, <i>Modifications to Block Jacobi with Overlap to Accelerate Convergence of Iterative Methods for Banded Matrices</i>						
9:45	OLIVER ERNST (SIAG/LA SPEAKER), <i>Krylov Subspace Approximations of the Action of Matrix Functions for Large-Scale Polynomials</i>						
10:30	Coffee break						
	Auditorium	Room Fermi	Room Pacinotti	Room Galilei	Room A	Room B	Room C
	INEQ	CURVE	STRUCT	APPL	CT	CT	COMBIN
11:00	C.-K. Li	K. Jetter	F. Di Benedetto	L. Altenberg	D. Janse van Rensburg	J. Bracic	R. Loewy
11:25	N. Truhar	M.A. Cotronei	N. Mastronardi	J. Verschelde	A.C.M. Ran	P. Semrl	L. Hogben
11:50	Y.-T. Poon	L. Gemignani	I. Domanov	I. Slapnicar	I. Bras	N. Thome	G. Dahl
12:15	T. Sano	L. Romani	M. Van Barel	S. Friedland	S. Furtado	A. Fosner	M. Farber
12:40	Lunch						

14:00	NICK HIGHAM, <i>Computing the Action of Matrix Exponential, with an Application to Exponential Integrators</i>						
14:45	Mini break						
	MEANS	CT	STRUCT	GEN-INV	CT	CT	GRAPH
15:00	F. Hansen	H.F. Da Cruz	G. Rodriguez	M.C. Gouveia	M.I. Garcia Planas	C. Chorianopoulos	D. Cvetkovic
15:25	F. Hiai	F. Greco	S. Noschese	D. Cvetković-Ilić	J. Clotet	F. Uhlig	N. de Abreu
15:50	T. Furuta	E. Chu	A. Salam	N. Thome	Z. Dahmani	P. Tichy	S. Cioaba
16:15	Coffee break						
	MEANS	CURVE	STRUCT	GEN-INV	EDU	CT	GRAPH
16:45	M. Fujii	M. Charina	C. Jagels	X. Mary	G. Harel	A. Roca	S. Kirkland
17:10	T. Yamazaki	T. Dokken	P. Zhlobich	D. Mosić	B. Koichu	M.V. Carriegos	F. Belardo
17:35	Y. Lim	J.M. Peña	F. Dopico	—	E. Possani	M. Peña	D. Cardoso
18:00	ILAS Board Meeting						

WEDNESDAY 23

9:00	LUIS VERDE STAR, <i>Linear Algebraic Foundations of the Operational Calculi</i>						
9:45	BERESFORD N. PARLETT (HANS SCHNEIDER PRIZE), <i>Linear Algebra Meets Lie Algebra</i>						
10:30	Coffee break						
	Auditorium	Room Fermi	Room Pacinotti	Room Galilei	Room A	Room B	Room C
	MEANS	MAX-ALG	STRUCT	INV-PROB	CT	MARKOV	GRAPH
11:00	Y. Seo	W. McEneaney	—	F. Sgallari	J.M. Conroy	R. Sze	E.A. Martins
11:25	J.C. Bourin	J.-P. Quadrat	L. Gemignani	I. Gerace	A. Dax	J. Hunter	A. Ilic
11:50	M. Ito	S. Sergeev	R. Vandebril	C. Estatico	E. Bozzo	H. Caswell	B. Mihailovic
12:15	K. Audenaert	A. Peperko	V. Pan	J. Bardsley	F. Pedroche	M. Benzi	T. Biyikoglu
12:40	M. Uchiyama	K. Zimmermann	Y. Eidelman	M. Bertero	F. Tudisco	—	J. Leydold
13:05	Lunch						

14:15	ILAS Business Meeting
15:30	Excursion
19:00	Concert in the Church of San Francesco
20:00	Social Dinner in the Cloister of the Church of San Francesco. Banquet speaker: Harm Bart

THURSDAY 24

9:00	RICHARD BRUALDI, <i>Matrices and Indeterminates</i>						
9:45	CLEVE MOLER (HANS SCHNEIDER PRIZE), <i>Evolution of MATLAB</i>						
10:30	Coffee break						
	Auditorium	Room Fermi	Room Pacinotti	Room Galilei	Room A	Room B	Room C
	INEQ	MAX-ALG	NONNEG	INV-PROB	CT	TENSOR	APPL
11:00	R. Sze	V. Kolokoltsov	D. Noutsos	L. Reichel	G. Armentia	C. Caiafa	A. Torokhti
11:25	T.-Y. Tam	R. Bacos	J. Peña	M. Kilmer	S. Tarragona	P. Comon	L.H. Lim
11:50	F. Zhang	V. Nitica	M.E. Valcher	D. Fasino	L. Grubisic	Ch. Hillar	I. Domanov
12:15	X. Zhang	M. Akian	D. Szyld	R. Renaut	P. Psarrakos	E. Tyrtyshnikov	D.C. Hoyle
12:40	Lunch						

14:00	ZDENEK STRAKOS, <i>Moments, Model Reduction and Nonlinearity in Solving Linear Algebraic Problems</i>						
14:45	Mini break						
	QUANTUM	EIGEN	FUN/EQ	CT	CT	CT	CT
15:00	K. Zyczkowski	C. Mehl	M. Benzi	J. Weaver	A. Aretaki	M. Lopez Cabeceira	A. Aricó
15:25	W. Tadej	N. Mackey	M. Hochbruck	M.T. Gasso Matoses	N. Bebiano	B. GURSOY	G. Burgeois
15:50	F. Szollosi	F. Tisseur	S. Guettel	A. Saez-Schwedt	V. Mano	D. Nemirovski	T.-M. Huang
16:15	Coffee break						
	QUANTUM	EIGEN	FUN/EQ	INV-PROB	CT	CT	CT
16:45	A. Harrow	D.S. Mackey	P. Benner	Z.-J. Bai	—	L. Costa	M.-Q. Chen
17:10	P. Perinotti	F. De Teran	K. Zietak	J. Chung	—	D. Strong	M.I. Bueno
17:35	A. Winter	F.M. Dopico	B. Iannazzo	T. Huckle	—	A. Armandnejad	P. Oblak

FRIDAY 25

9:00	VADIM OLSHEVSKY, <i>Potpourri on quasiseparable matrices</i>						
9:45	OLGA HOLTZ (TAUSSKY-TODD LECTURE), <i>Zeros of entire functions: from René Descartes to Mark Krein and beyond</i>						
10:30	Coffee break						
	Auditorium	Room Fermi	Room Pacinotti	Room Galilei	Room A	Room B	Room C
	MEANS	EIGEN	CT	CT	EDU	TENSOR	APPL
11:00	S. Kim	M. Al-Ammari	A. Marco	J. Swoboda	J. Day	B. Khoromskij	M. Weber
11:25	M. Palfia	B. Meini	P. Vassalos	I. Wrobel	F. Uhlig	I. Oseledets	D. Bertaccini
11:50	H. Lee	H. Voss	D. Sesana	—	S.-G. Lee	B. Savas	A. Niknejad
12:15	E. Ahn	V. Mehrmann	G. Del Corso	—	A. Berman	D. Savostyanov	—
12:40	Lunch						

14:00	BEATRICE MEINI, <i>Nonsymmetric Algebraic Riccati Equations Associated with M-Matrices: Theoretical Results and Algorithms</i>						
14:45	Mini break						
	QUANTUM	EIGEN	NONNEG	CT	EDU	CT	CT
15:00	D. Burgarth	C. Engstrom	H. Smigoc	A. Smoktunowicz	S. Leon	J. Winkler	P. Carvalho
15:25	M. Petkovic	D. Kressner	J. Stuart	S. Fanelli	—	S. Belhaj	R. Agaev
15:50	M. Basic	L. Boulton	D. Olesky	S. Sra	—	D. Triantafyllou	—
16:15	Coffee break						
	CT	CT	NONNEG	CT	—	TENSOR	CT
16:45	D. Wenzel	A.C. Carapito	M. Catral	H. Bart	—	M. Espig	P. Rama
17:10	G. Cravo	I. De Hoyos	A. Yielding	E.M. Cañete	—	V. Khoromskaia	S.V. Savchenko
17:35	Y.C. Kuo	V. Noferini	E. Bodine	W.L. Chooi	—	J. Schneider	P. Chebotarev
18:15	Closure						