MONDAY

8:00am-8:45am	**Breakfast**
8:45am-9:00am	Opening
Chair	**Miloud Sadkane**
9:00am-10:00am	Structured matrix polynomials and their sign characteristic Françoise Tisseur
10:00am-10:30am	**Break**
Chair	**Zhaojun Bai**
10:30am-11:00am	The unwinding matrix Nicholas Higham
11:00am-11:30am	Refining estimates of invariant and deflating subspaces for large and sparse matrices and pencils Eric Chu
11:30am-12:00am	Computing the distance to the nearest unstable quadratic pencil Alexander Malyshev
12:00am-12:30pm	Structured matrix geometric means: theory and algorithms Dario Bini
12:30pm	**Lunch**
Chair	**David Watkins**
5:00pm-5:30pm	What are the "natural" classes of scalar products? Steve Mackey
5:30pm-6:00pm	Gram-Schmidt process: from the standard to the non-standard inner product Miroslav Rozložnik
6:00pm-6:30pm	Modified symplectic Gram-Schmidt, Householder SR algorithm and structured matrices Ahmed Salam
6:30pm-7:00pm	Structured matrices and multivariate orthogonal polynomials Marc Van Barel
7:30pm	**Dinner**

TUESDAY

8:00am-9:00am	**Breakfast**
Chair	**Peter Benner**
9:00am-10:00am	Exponential integrators: linear algebra aspects Marlis Hochbruck
10:00am-10:30am	**Break**
Chair	**Bernhard Beckermann**
10:30am-11:00am	On geometric integrators for polynomial Hamiltonian systems Elena Celledoni
11:00am-11:30am	Symmetric spaces and Lie triple systems in numerical analysis Antonella Zanna
11:30am-12:00am	A step towards a symplectic exponential integrator Peter Benner
12:00am-12:30pm	Integral preserving Lie group integrators Brynjulf Owren.
12:30pm	**Lunch**
Chair	**Antonella Zanna**
5:30pm-6:00pm	Matrix functions for exponential integrators via interpolation at Leja points Alexander Ostermann
6:00pm-6:30pm	The construction and analysis of variational integrators Melvin Leok
6:30pm-7:00pm	Computational methods based on structured pseudospectra Matthias Voigt
7:30pm	**Dinner**

WEDNESDAY

8:00am-9:00am	**Breakfast**
Chair	**Nick Higham**
9:00am-10:00am	Structured backward errors for eigenvalues of Hermitian pencils Christian Mehl
10:00am-10:30am	**Break**
Chair	**Miroslav Rozloznik**
10:30am-11:00am	The Newton polygon and structured eigenvalue perturbation Julio Moro
11:00am-11:30am	Eigenvalue perturbation theory of classes of structured matrices under generic structured rank one perturbations André Ran
11:30am-12:00am	The error in the product QR decomposition and applications Erik Van Vleck
12:00am-12:30pm	On solving indefinite least squares-type problems via anti-triangular factorization Nicola Mastronardi
12:30pm	**Lunch**
7:30pm	**Dinner**

THURSDAY

8:00am-9:00am	**Breakfast**
9:00am-12:30pm	**Session in Honor of Axel Ruhe on his 70th Birthday**
Chair	**Daniel Kressner**
9:00am-10:00am	Rational Krylov revisited Bernhard Beckermann
10:00am-10:30am	**Break**
Chair	**Lothar Reichel**
10:30am-11:00am	Rational Krylov – further developments and yet unsolved problems Axel Ruhe
11:00am-11:30am	Minimization principles of the linear response eigenvalue problem Zhaojun Bai
11:30am-12:00am	On a generalization of inverse iteration for eigenvector nonlinearities Elias Jarlebring
12:00am-12:30pm	Structured matrices in the rational Lanczos method Lothar Reichel
12:30pm	**Lunch**
Chair	**Nicola Mastronardi**
5:00pm-5:30pm	A fast structured QZ method for colleague matrix pencils Paola Boito
5:30pm-6:00pm	An extension of the multi-shift QZ-algorithm beyond the Hessenberg-upper triangular pencil Raf Vandebril
6:00pm-6:30pm	Fast computation of eigenvalues of companion, comrade, and related matrices David Watkins
6:30pm-7:00pm	Convergence of QR algorithm for normal matrices Hongguo Xu
8:00pm	**Conference dinner**

FRIDAY

8:00am-9:00am	**Breakfast**
Chair	**Steve Mackey**
9:00am-10:00am	Differential equations for Hamiltonian and symplectic matrix nearness problems Christian Lubich
Chair	**Ahmed Salam**
10:00am-10:30am	**Break**
10:30am-11:00am	Symplectic information geometry of Toeplitz and Toeplitz-block-Toeplitz Hermitian positive definite matrices: Buseman barycenter and Frechet median by Berger/Mostow fibration Frederic Barbaresco
11:00am-11:30am	Matrix power means as the only affine family Miklós Pálfia
11:30am-12:00am	Blind image deconvolution via Hankel based method for computing the GCD of polynomials Skander Belhaj
12:00am-12:30pm	Subspace methods for computing the numerical range and associated quantities Daniel Kressner
12:30pm	**Lunch**