

*IV International Workshop on
Accurate Solution of Eigenvalue Problems
Split, Croatia, June 24-27, 2002*

SCHEDULE

Monday, June 24

8:30-9:00	<i>Opening</i>
9:00 - 9:50	J. Demmel: The Complexity of Accurate Floating Point Computation or Can we do Numerical Linear Algebra in Polynomial Time?
9:50 - 10:30	R. Ralha: One Sided Reduction to Bidiagonal Form, Part II
10:30 - 11:00	<i>Break</i>
11:00 - 11:40	I. Dhillon: Accurate Computation of Eigenvalues and Eigenvectors of Tridiagonal Matrices
11:40 - 13:00	Poster Hour
13:00 - 15:00	<i>Lunch</i>
15:00 - 15:50	Z. Drmač: Rank Deficient Problems and Numerical Ranks with Known Structure
15:50 - 16:30	J. Moro: Low Rank Perturbation of Eigenvalues of Arbitrary Matrices
16:30 - 17:00	<i>Break</i>
17:00 - 17:40	L. Ferbar: Iterative Refinement of the Eigensolution Computed by a Fast Method
17:40 - 19:00	Poster Hour

Tuesday, June 25

9:00 - 9:50	V. Mehrmann: Accurate Solution of Quadratic Eigenvalue Problems with Structure
9:50 - 10:40	A. Ruhe: Rational Krylov for Nonlinear Eigenvalues
10:40 - 11:10	<i>Break</i>
11:10 - 11:50	S. Bora: Sensitivity Analysis of Eigenvalues Based on ϵ -pseudospectra of Matrices
12:30 - 21:00	<i>Excursion to Milna with lunch on boat</i>

Wednesday, June 26

9:00 - 9:50	I. Ipsen: Absolute and Relative Inclusion Regions for Matrix Eigenvalues
9:50 - 10:30	N. Truhar: Relative Residual Bounds for Eigenvalues of Indefinite Hermitian Matrices
10:30 - 11:00	<i>Break</i>
11:00 - 11:40	S. Singer: Accuracy of the Symplectic QR Factorization
11:40 - 13:00	Poster Hour
13:00 - 15:00	<i>Lunch</i>
15:00 - 15:50	C. Beattie: Singular Value Decay for Solutions to Matrix Equations
15:50 - 16:30	L. Grubišić: Approximating Invariant Subspaces of Elliptic Operators
16:30 - 17:00	<i>Break</i>
17:00 - 17:40	P. Koev: Computing Accurate SVDs of Polynomial-Vandermonde Matrices Involving Orthogonal Polynomials
17:40 - 19:00	Poster Hour
20:00 - 23:00	<i>Dinner</i>

Thursday, June 27

9:00 - 9:50	H. Schwetlick: Inverse Iteration, Newton and Jacobi-Davidson Type Methods for Computing Eigenvalues and Singular Values
9:50 - 10:30	J. van den Eshof: A Priori Error Bounds for Ritz and Harmonic Ritz Vectors
10:30 - 11:00	<i>Break</i>
11:00 - 11:40	J. Matejaš: Asymptotic Behavior of Scaled Iterates by Diagonalization Eigenvalue Methods
11:40 - 12:20	M. Hochstenbach: Accurate Approximate Eigenpairs from Subspaces for the Quadratic Eigenvalue Problem
12:30	<i>End of Workshop</i>