

M 8:50 (90 min)

x45
\submittedby{ James W. Demmel }
\title{ Parallel Supernodal Methods for Sparse Gaussian Elimination }
x45
\submittedby{ Esmond G. Ng }
\title{ Orderings for Sparse LU and QR Factorizations }

M 10:50 (70 min)

x35
\submittedby{Michael L. Overton}
\title{ Primal-Dual Interior-Point Methods for Linear and Semidefinite Programming }
x35
\submittedby{Michael A. Saunders}
\title{Solution of Sparse Linear Equations using Cholesky Factors of Augmented Systems}

M 14:30 (90 min)

x45
\submittedby{Bo Kågström}
\title{A Geometric Approach to Perturbation Theory of Matrices and Matrix Pencils: Versal Deformations and Stratifications}
x45
\submittedby{Roy Mathias}
\title{ Exploiting Gradedness in (possibly Non-Symmetric) Eigenvalue Problems }

M 16:30 (35 min)

x35
\submittedby{ Alan J. Laub }
\title{ Statistical Condition Estimation in Numerical Linear Algebra }

T 8:40 (90 min)

x30
\submittedby{Gerard L.G. Sleijpen}
\title{Jacobi-Davidson methods for computing a few selected eigenpairs}
x30
\submittedby{David S. Watkins }
\title{Passing Bulges: How and Why}
x30
\submittedby{Axel Ruhe}
\title{Rational Krylov for nonlinear eigenvalues}

T 10:40 (80 min)

x40
\submittedby{Haesun Park}
\title{Fast Algorithms for Least Squares Problems with Toeplitz Structure}
x40
\submittedby{ Ming Gu }
\title{ New Fast Algorithms for Structured Linear Least Squares Problems }

T 16:00 (70 min) (ACTUALLY 75 MINUTES)

x35
\submittedby{Martin Hanke}
\title{Error bounds for the Lanczos method applied to elliptic operators}
x40
\submittedby{ Gerhard Starke }
\title{ Multilevel Minimal Residual Methods }

W 8:40 (70 min) (ACTUALLY 60 MINUTES)

x30
\submittedby{Alison Ramage }
\title{Minimum Residual Methods for Augmented Systems }
x30
\submittedby{Andy Wathen }
\title{Indefinite Preconditioning for Non-symmetric and Indefinite systems}

W 10:40 (35 min) (ACTUALLY 40 MINUTES)

x40
\submittedby{Ren-Cang Li }
\title{ Relative Perturbation Theory for Eigenvalue Problems }

H 8:40 (90 min)

x45
\submittedby{Howard Elman}
\title{Iterative Methods and Analysis of Linear Systems Arising in Fluid Dynamics }
x45
\submittedby{ Petter E. Bj{\o}rstad }
\title{ An $O(N^3)$ Algorithm for Solving a Fourth order Equation with the Chebyshev-Galerkin method}

H 10:40 (80 min)

x40
\submittedby{Marlis Hochbruck}
\title{ Error Analysis of Krylov Approximations to Matrix Operators with Applications to ODEs }
x40
\submitted by{Householder Prize Talk}
\title{To Be Announced}

H 16:00 (70 min)

x35
\submittedby{Sabine Van Huffel}
\title{Fast and accurate exponential data fitting with use of prior knowledge}
x35
\submittedby{Steven T. Smith}
\title{Geometric Optimization Methods with Applications}

F 8:40 (90 min)

x45
\submittedby{Ilse Ipsen}
\title{Condition Numbers Based on the Departure of a Matrix from Normality}
x45
\submittedby{ Chris Paige }
\title{ Sensitivity of the Cholesky Factor }

F 10:40 (80 min)

x20
\submittedby{Urs von Matt}
\title{On Laguerre's Iteration}
x30
\submittedby{ Jesse L. Barlow }

\title{ A More Accurate Bidiagonal Reduction for Computing the Singular Value Decomposition}

x30

\submittedby{Ralph Byers}

\title{On the Distance to the Nearest Singular Pencil}

F 13:40 (100 min)

x30

\submittedby{Lars Eld\'}en}

\title{The Unbalanced Orthogonal Procrustes Problem }

x40

\submittedby{ Pep Mulet }

\title{ Iterative methods for Total Variation image restoration }

x30

\submittedby{Alan Edelman}

\title{ A Very Fast Fourier Transform }