PROGRAM-AT-A-GLANCE

TUESDAY EVENING, OCTOBER 28

6:00 PM-8:00 PM Registration
Room: Ballroom Foyer

6:00 PM-8:00 PM Welcoming Reception (Cash Bar)
Room: Golden Cliff

WEDNESDAY, OCTOBER 29

7:30 AM-4:00 PM Registration
Room: Ballroom Foyer

8:20 AM Welcome Remarks and Announcements
Alan George, University of Waterloo, Canada
Room: Ballroom 3

8:30 AM-9:30 AM
IP1 Geometrical Approaches to the Algebraic Eigenvalue Problem
Alan Edelman, Massachusetts Institute of Technology
Chair: Ilse Ipsen, North Carolina State University
Room: Ballroom 3

9:30 AM-10:00 AM Coffee
Room: Ballroom Foyer

10:00 AM-12:00 PM Concurrent Sessions
MS1 Numerical Methods for Large Eigenvalue Problems
Organizers: Daniela Calvetti, Stevens Institute of Technology; and Lothar Reichel, Kent State University
Room: Ballroom 1

MS2 Linear Algebra in Signal Processing
Organizer: James R. Bunch, University of California, San Diego
Room: Ballroom 2

MS3 Combinatorial and Algebraic Matrix Theory
Organizer: Wayne W. Barrett, Brigham Young University
Room: Ballroom 3

WEDNESDAY AFTERNOON, OCTOBER 29

12:00 PM-1:30 PM Lunch (Box Lunches in Ballroom Foyer or Attendees are on their own)

1:30 PM-2:30 PM
IP2 The Solution of Linear Systems Arising in Interior Methods for Optimization
Philip E. Gill, University of California, San Diego
Chair: To be announced
Room: Ballroom 3

2:30 PM-3:00 PM Coffee
Room: Ballroom Foyer

3:00 PM-5:00 PM Concurrent Sessions
MS4 Recent Developments in Eigenvalue Perturbation Theory and Algorithms (Part I of II)
Organizer: Roy Mathias, College of William & Mary
Room: Ballroom 1

MS5 Advances in Sparse Matrix Reorderings
Organizer: Esmond G. Ng, Oak Ridge National Laboratory
Room: Ballroom 2

5:00 PM-5:30 PM Coffee
Room: Ballroom Foyer

WEDNESDAY EVENING, OCTOBER 29

5:30 PM-7:30 PM Common-Interest Session
Room: Ballroom 3

7:30 PM Dinner (attendees are on their own)

THURSDAY MORNING, OCTOBER 30

8:00 AM-4:00 PM Registration
Room: Ballroom Foyer

8:30 AM-9:30 AM
IP3 Doubly Stochastic Matrices: Theory and Application
Richard A. Brualdi, University of Wisconsin, Madison
Chair: Paul Van Dooren, Universite Catholique de Louvain, Belgium
Room: Ballroom 3

9:30 AM-10:00 AM Coffee
Room: Ballroom Foyer

10:00 AM-12:00 PM Concurrent Sessions
MS6 Positive Semidefinite Matrices and Hermitian Matrices
Organizer: Wayne W. Barrett, Brigham Young University
Room: Ballroom 1

MS7 Linear Algebra and Control
Organizer: P. Van Dooren,Universite Catholique de Louvain, Belgium
Room: Ballroom 2

MS8 Fast and Superfast Toeplitz Solvers
Organizers: Georg Heinig, Kuwait University, Kuwait; and Vadim Olshevsky, Stanford University
Room: Ballroom 3

THURSDAY AFTERNOON, OCTOBER 30

12:00 PM-1:30 PM Lunch ((Box Lunches in Ballroom Foyer or Attendees are on their own)

1:30 PM-2:30 PM
IP4 Schur-type Methods for Toeplitz Structured Problems
Haesun Park, University of Minnesota, Minneapolis
Chair: Åke Björck, Linköping University, Sweden
Room: Ballroom 3

2:30 PM-3:00 PM Coffee
Room: Ballroom Foyer

3:00 PM-5:00 PM Concurrent Sessions
MS9 Matrix Functions
Organizer: Nicholas J. Higham, University of Manchester, United Kingdom
Room: Ballroom 2

MS10 Sparse Approximate Inverse Preconditioners (Part I of II)
Organizer: Wei-Pai Tang, University of Waterloo, Canada
Room: Ballroom 1

5:00 PM-5:30 PM Coffee
Room: Ballroom Foyer

THURSDAY EVENING, OCTOBER 30

5:30 PM-7:30 PM Common Interest Sessions
Room: Ballroom 3

7:30 PM Dinner (Attendees are on their own.)

FRIDAY MORNING, OCTOBER 31

8:00 AM-4:00 PM Registration
Room: Ballroom Foyer

8:30 AM-9:30 AM
IP5 Robust Parallel Algorithms for Sparse Symmetric Eigen Applications
John G. Lewis, Boeing Information and Support Services, The Boeing Company
Chair: John R. Gilbert, Xerox Palo Alto Research Center
Room: Ballroom 3

9:30 AM-10:00 Coffee
Room: Ballroom Foyer

10:00 AM-12:00 PM Concurrent Sessions
MS11 Accurate Computation of Eigenproblems
Organizer: Ilse C. F. Ipsen,North Carolina State University
Room: Ballroom 1

MS12 Linear Algebra for Ill-Posed Problems and Image Processing
Organizers: Daniela Calvetti, Stevens Institute of Technology; and Lothar Reichel, Kent State University
Room: Ballroom 2

MS13 Indefinite Inner Products (Part I of II)
Organizer: Leiba Rodman, College of William & Mary
Room: Ballroom 3

FRIDAY AFTERNOON, OCTOBER 31

12:00 PM-1:30 PM Lunch ((Box Lunches in Ballroom Foyer or Attendees are on their own.)

1:30 PM-2:30 PM
IP6 Second Generation Wavelets: Theory and Applications
Wim Sweldens, Bell Laboratories, Lucent Technologies
Chair: John G. Lewis, Boeing Information and Support Services, The Boeing Company
Room: Ballroom 3

2:30 PM-3:00 PM Coffee
Room: Ballroom Foyer

3:00 PM-5:00 PM Concurrent Sessions
MS14 Recent Developments in Eigenvalue Perturbation Theory and Algorithms (Part II of II)

Organizer: Roy Mathias, College of William & Mary

Room: Ballroom 1

MS15 The Multilevel Method

Organizer: Shang-Hua Teng,University of Minnesota, Minneapolis

Room: Ballroom 2

5:00 PM-5:30 PM Coffee
Room: Ballroom Foyer

FRIDAY EVENING, OCTOBER 31

5:30 PM-7:30 PM Common-Interest Session
Room: Ballroom 3

7:30 PM Dinner (Attendees are on their own.)

SATURDAY MORNING, NOVEMBER 1

8:00 AM-2:00 PM Registration
Room: Ballroom Foyer

8:30 AM-9:30 AM

IP7 Lifting the Curse on the Hamiltonian and Symplectic Eigenproblem

Volker Mehrmann, Technische Universität Chemnitz-Zwickau, Germany

Chair: James W. Demmel, University of California, Berkeley

Room: Ballroom 3

9:30 AM-10:00 AM Coffee
Room:

Ballroom Foyer

10:00 AM-12:00 PM Concurrent Sessions

MS16 Unsymmetric Eigenvalue Alternatives

Organizer: Eugene L. Wachspress, Retired, Windsor, CA

Room: Ballroom 1

MS17 Lanczos-Type Methods

Organizer: Martin H. Gutknecht, ETH-Zentrum, Switzerland

Room: Ballroom 2

SATURDAY AFTERNOON, NOVEMBER 1

12:00 PM-12:30 PM Lunch ((Box Lunches in Ballroom Foyer or Attendees on their own)

1:30 PM-2:30

Award and Presentation: The SIAM Activity Group on Linear Algebra Prize

Winner to be announced

Chair: Biswa N. Datta, Northern Illinois University

Room: Ballroom 3

2:30 PM-3:00 PM Coffee
Room: Ballroom Foyer

3:00 PM-5:00 PM Concurrent Sessions

MS18 Innovations in Teaching Applied and Numerical Linear Algebra

Organizers: Steven J. Leon, University of Massachusetts, Dartmouth; and David C. Lay, University of Maryland, College Park

Room: Superior A

MS19 Sparse Approximate Inverse Preconditioners (Part II of II)

Organizer: Wei-Pai Tang, University of Waterloo, Canada

Room: Superior B

MS20 Indefinite Inner Products (Part II of II)

Organizer: Leiba Rodman, College of William & Mary

Room:Maybird

5:00 PM-5:30 PM Coffee
Room: Ballroom Foyer

SATURDAY EVENING, NOVEMBER 1

5:30 PM-7:30 PM

Common-Interest and Poster Sessions, and Business Meeting SIAG/LA
Room: Ballrooms 2 & 3

There will be awards for the two best poster presentations. The winners will be announced and given the awards during the banquet.

7:30 PM- 8:00 PM
Cocktails/Cash Bar

Room: Eagles Nest

8:00 PM- 9:30 PM
Banquet

Guest Speaker: Charles Van Loan, Cornell University
"Looking for Kronecker Products"

Chair: Alan George, University of Waterloo, Canada

Room: Golden Cliff

7:30 PM Conference adjourns.