**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
- 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
  - MS6 Positive Semidefinite Matrices and Hermitian Matrices
    - Organizer: Wayne W. Barrett, Brigham Young University
    - Room: Ballroom 3
  - MS7 Linear Algebra and Control
    - Organizer: P. Van Dooren, Université 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 Morning, October 30**
- 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 AM 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

**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
  - 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
  - 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
  - MS11 Indefinite Inner Products (Part II)
    - Organizer: Roy Mathias, College of William & Mary
    - Room: Ballroom 1

**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
  - IP7 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
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

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**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.)

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**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

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**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

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**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.