

Graggfest '06 Numerical Analysis In Monterey

Program November 3–4, 2006

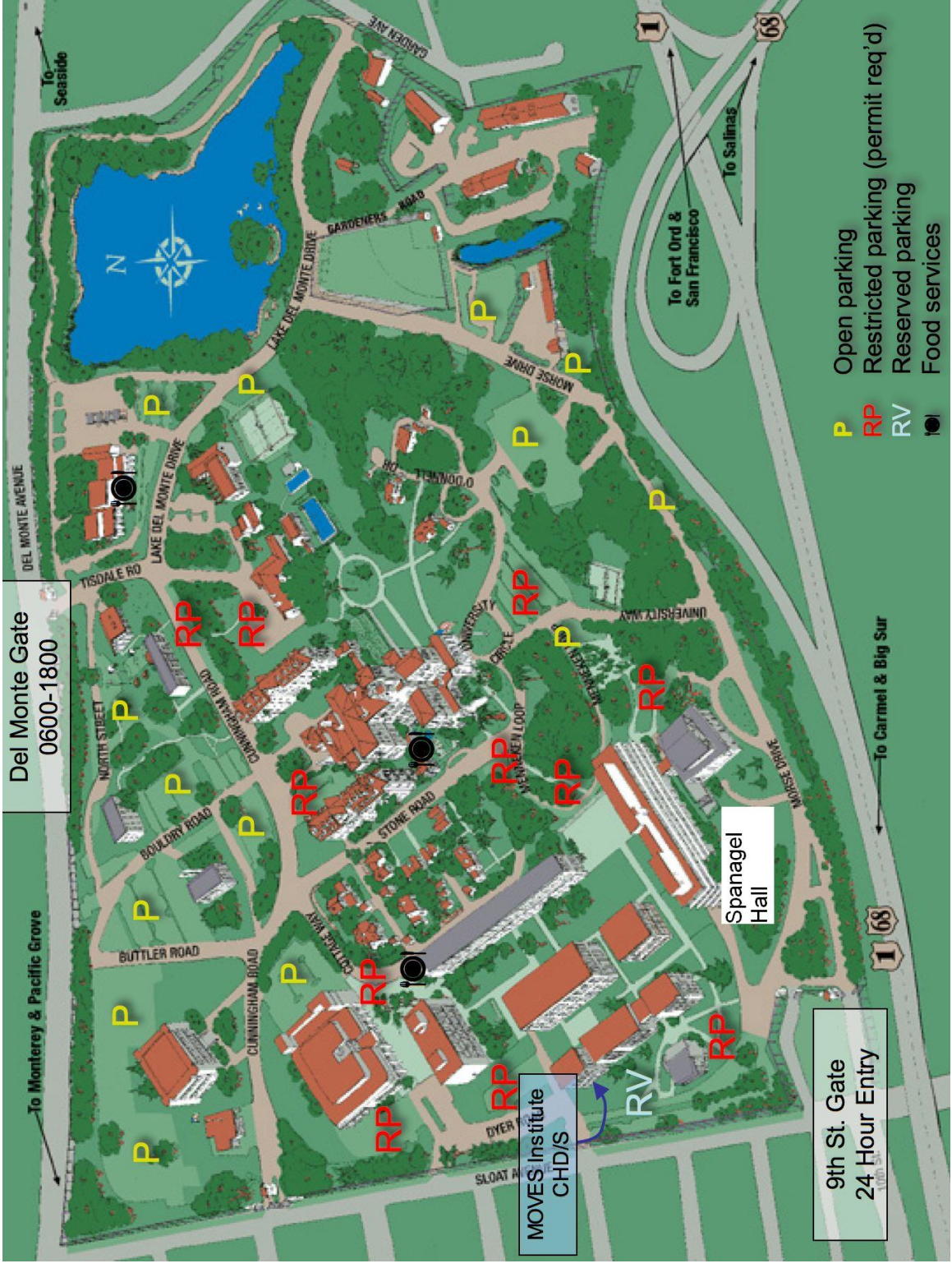
All talks will be in Spanagel Hall Room 231. This is the tallest building on campus, and the first building you will see when you enter the main (9th St.) gate. See the attached campus map.

Friday, November 3

9:30	Meet and Greet	
10:00	Pete Stewart	A Block Gram-Schmidt Algorithm
10:30	Aaron Melman	From Toeplitz to Newton, Laguerre, and Ostrowski
11:00	Les Foster	Comparison of rank revealing algorithms for matrices with well defined numerical rank
11:30	Marc Van Barel	Eigenvalue Computation for Unitary Rank Structured Matrices
12:00–1:10	Lunch	
1:10	Gene Golub	Matrix Computations and the Secular Equation
1:40	Roummel F. Marcia	A Pivoting Strategy for Symmetric Tridiagonal Matrices
2:10	Annie Cuyt	Reliable multiprecision implementation of a class of special functions
2:40–3:00	Break	
3:00	Roland Freund	Pade Approximation, Krylov Subspaces, and VLSI Circuit Simulation
3:30	Dan Sorensen	Balanced Reduction with a Parameter Free ADI-like Method
4:00	Qiang Ye	Eigenvalue Problems and the LTSA Algorithm for Nonlinear Dimensionality Reduction
4:30	Zhaojun Bai	A Two-Dimensional Arnoldi Algorithm for Model Order Reduction of Parametric Linear Systems
Evening	Dinner at Chef Lee's Mandarin House (831-373-9551)	

Saturday, November 4

8:30	Martin Gutknecht	From qd to LR and QR
9:00	Ralph Byers	Deflating Unitary QR
9:30	Michael Stewart	The Isometric Arnoldi Algorithm and Structured Orthogonalization
10:00–10:20	Break	
10:20	Vadim Olshevsky	Vandermonde matrices involving polynomials associated with quasiseparable matrices
10:50	Augustin Dubrulle	Revelations of a Transposition Matrix
11:20	Lothar Reichel	Iterative Methods for Linear Systems with a Nearly Symmetric Matrix
11:50–1:10	Lunch	
1:10	Anders Lindquist	Passivity-preserving model reduction by analytic interpolation
1:40	Adhemar Bultheel	Orthogonal rational functions with real coefficients and semiseparable matrices
2:10	Ming Gu	Efficient Algorithms for Direction-Preserving and Schur-Monotonic Semi-separable Approximations of SPD Matrices
2:40–3:00	Break	
3:00	Shiv Chandrasekaran	Structured Schur complements of discretized PDEs
3:30	Beresford Parlett	Matrices with given Ritz values
4:00	Bill Gragg	Zeros of Polynomials Generated By Power Series and Structured Hessenberg Matrices
Evening	Dinner at Amir's Kabob House (831-642-0231)	



Del Monte Gate
0600-1800

9th St. Gate
24 Hour Entry

- P** Open parking
- RP** Restricted parking (permit req'd)
- RV** Reserved parking
- Food services