International Conference on Numerical Linear Algebra and Optimization

(October 7-10, 2003, Guilin, China)

Conference Schedule

8 October, Morning

8:00-8:30, Opening Ceremony:	Chaired by Yaxiang Yuan
8:30-9:00, Group Photo:	In front of the hotel

Plenary Talks (A1)

(Chair: Liqun Qi)

9:00-9:50, M.J.D. Powell:	On the Stability of Least Frobenius Norm Updating of Quadratic Models
9:50-10:30, Bing-sheng He:	Study on Some Approximate Proximal Point Algorithms for Monotone Variational Inequalities

10:30-11:00, Coffee Break

Invited Talks (B1)

(Chair: Da-yong Cai)

11:00-11:30, Shu-Fang Xu:	Pole Assignment in Descriptor Periodic Systems
11:30-12:00, Zhenyue Zhang:	Principal Manifolds and Nonlinear Dimension Reduction via Tangent Space Alignment
12:00-12:30, Chuanlong Wang:	Necessary Conditions and Suffcient Conditions for Non-Decomposable Two-Stage Min-Max Optimizations

12:30-13:30, Lunch

8 October, Afternoon

Plenary Talks (A2)

(Chair: Zeng-xin Wei)

13:30-14:10, Liqun Qi:	Supersymmetric Tensors and Their Applications in Multivariate Polynomial Optimization and Systems
14:10-14:50, M. Raydan:	Low-Cost Methods for Nonlinear Large-Scale Matrix Equations
14:50-15:30, E.W. Sachs:	Preconditioning in Optimal Control Problems

15:30-16:00, Coffee Break

16:00–18:30, Contributed Talks (C1)

(Chairs: Donghui Li and Zhenyue Zhang)

Wenbao Ai:	An LM Algorithm Using Gradient and Reminder to Determine the Lagrangian Multipliers
Qian Liu:	Convergence Properties of Nonmonotone Spectral Projected Gradient Methods
Zhen-Jun Shi:	A New Class of Memory Gradient Methods with Inexact Line Searches
Chenliang Li:	A Multisplitting Iteration Scheme for Solving Implicit Complenmentarity problems
Jingjing Huang:	A Short Step Primal-Dual Interior Point Algorithm for Quadratic Semidefinite Prgramming Based on the AHO Direction
Fengmin Xu:	A Hybrid Semidefinite Programming Method For The Max-cut Programming
Xiucui Guan:	A Class of Node Based Bottleneck Improvement Problems
Dachuan Xu:	Multilevel Facility Location Game
Jinchan Lu:	Multi-objective Genetic Algorithm Based on the Optimal Evolution Direction
Xiaoming Yuan:	A New Inexact Proximal Alternating Direction Method for Monotone Variational Inequalities

9 October, Morning

Plenary Talks (A3)

(Chair: M. J. D. Powell)

8:00-8:40, J. Z. Zhang:	Value Functions and Error Bounds for a Trust Region Model
8:40-9:20, T. Terlaky:	Implementing Self-Regular Proximity Based IPMs for Linear and Second Order Cone Optimization
9:20-10:00, T. Sogabe:	The Bi-CR Method for Solving Large Nonsymmetric Linear Systems

10:00-10:30, Coffee Break

Invited Talks (B2)

(Chair: Zun-quan Xia)

10:30-11:00, Qin Ni:	Trust Region Problems of Conic Model
11:00-11:30, Xingsi Li:	Penalty Functions Vs Lagrangian Regularizations
11:30-12:00, Lian-sheng Zhang:	An Algorithm for a Strongly Convex Function and an application
12:00-12:30, Naihua Xiu:	Lagrangian Duality and Related Methods for Generalized Nash Equilibriums

12:30-13:30, Lunch

9 October, Afternoon

Invited (B3) + Contributed (C2)
(Chair: E. W. Sachs)

13:30-14:00, Wenyu Sun:	Nonmonotone Optimization Methods: Motivation and Development
14:00-14:30, Zengxin Wei:	Recent Progress in Unconstrained Nonlinear Optimization
14:30-14:45, Zai-wen Wen:	A Trust Region Lanczos Method for Image Restoration
14:45-15:00, K. Abe:	Necessary and sufficient conditions for convergence of GCR and GMRES methods on singular systems
15:00-15:15, S. Hayashi:	On a Matrix Splitting Method for Affine Second-Order Cone Complementarity Problems
15:15-15:30, Si-Ming Huang:	Probabilistic Analysis of Infeasible Interior Point Algorithms for Linear Programming

15:30-16:00, Coffee Break

16:00-18:30, Contributed Talks (C3)

(Chairs: Qin Ni and Wenyu Sun)

Sheng-Jie Li:	On the Conversion of Generalized Semi-Infinite Programming Problems to Standard Optimization Problems
Zhibin Zhu:	A Computationally Efficient Feasible Method for Nonlinear Programming
Tongxiang Gu:	Multiple Search Direction Conjugate Gradient Method
Shujun Lian:	Global Convergence Properties of the Conjugate Descent Method with Armijo-type Line Searches
Liping Wang:	Left Conjugate Gradient Method for Non-hermitian Complex Linear System
Gai-di Li:	Local Optimality Conditions for A Special CDT Subproblem
Zhou-Hong Wang:	A Subspace Trust Region Method for Large Scale Unconstrained Optimization
Min-Ru Bai:	On Some Feasibility Issues in MPEC
Gui-Hua Lin:	Regularization Method for Stochastic Mathematical Programs with Complementarity Constraints
Tao Yan:	A Modified Method for Mathematical Programs with Equilibrium Constraints