

Program-at-a-Glance

	Mar 24 (Mon.)	Mar 25(Tue.)	Mar 26(Wed.)	Mar 27(Thu.)	Mar 28(Fri.)
07:30-08:30	Breakfast				
Chair	Raymond Chan	Xiao-Ming Yuan	Michael Ng	Justin Wan	Isao Yamada
08:45-09:00	Opening				
09:00-09:45	Esmond Ng	Isao Yamada	Justin Wan	Richard Tsai	Shi-Qian Ma
09:45-10:30	Miro Rozloznik	Zeng-Qi Wang	Raymond Chan	Michael Ng	Dong-XiuXie
10:30-11:00	Coffee Break				
11:00-11:45	Jian-Lin Xia	Poster Session 1	Xiao-Ming Yuan	Poster Session 2	Poster Session 3
11:45-12:30	Yu-Jiang Wu		Xiao-Sheng Zhuang		
12:30-13:30	Lunch				
Chair	Esmond Ng	Miro Rozloznik	Excursion (13:30-17:00)	Richard Tsai	Zhong-Zhi Bai
15:00-15:45	Jian-Yu Pan	Ken Hayami		Yu-Mei Huang	Conclusion Session (14:30-16:00)
15:45-16:30	Wen Li	Zhong-Zhi Bai		Zheng-Jian Bai	
16:30-16:40	Coffee Break			Coffee Break	Shopping (16:00-19:00)
16:40-17:40	Discussion	Discussion		Discussion	
18:00-19:00	Banquet	Dinner			Dinner
19:00-20:00					

- Poster Session 1: Xiao-Xia Guo, Guo-Yan Meng, Li-Li Zhang, Xiang Zhang.
- Poster Session 2: Yang Cao, Rui-Ping Wen, Yu-Jiang Wu, Jun-Feng Yin.
- Poster Session 3: Heng-Bin An, Yan-Ran Li, Min Tao, Jian-Jun Zhang

Schedule

March 24, Monday

Session Chair	Raymond Chan
07:30-08:30	Breakfast at the Cafeteria
08:45-09:00	Opening Ceremony and Group Photo
09:00-09:45	Esmond Ng :Solving Sparse Linear Systems in Large-Scale Scientific Problems(P.13)
09:45-10:30	MiroRozloznik :Gram-Schmidt Process with a Non-Standard Inner Product and its Application to Approximate Inverse Preconditioning(P. 15)
10:30-11:00	Coffee Break
11:00-11:45	Jian-Lin Xia :Matrix-Free Structured Preconditioning(P. 18)
11:45-12:30	Yu-Jiang Wu :Lopsided PMHSS Iteration Method for a Class of Complex Symmetric Linear Systems(P. 17)
12:30-13:30	Lunch at the Cafeteria
SessionChair	Esmond Ng
15:00-15:45	Jian-Yu Pan :Block Preconditioners for the Optimization Problems with Convection-Diffusion Equation Constraints(P. 14)
15:45-16:30	Wen Li :On Eigenvalue Perturbation Bounds for Hermitian Block Tridiagonal Matrices (P. 12)
16:30-16:40	Coffee Break
16:40-17:40	Discussion
18:00-20:00	Workshop Banquet at the Chinese Restaurant

March 25, Tuesday

Session Chair	Xiao-Ming Yuan
07:30-08:30	Breakfast at the Cafeteria
09:00-09:45	Isao Yamada: Hierarchical Optimizations for Certain Inverse Problems in Image and Signal Processing(P. 19)
09:45-10:30	Zeng-Qi Wang: Numerical Solvers for a Class of Saddle Point Systems Arising from PDE-Constrained Optimizations(P. 17)
10:30-11:00	Coffee Break
11:00-12:30	Poster Session 1 Xiao-Xia Guo: Numerical Methods for aNonsymmetric Algebraic Riccati Equation Arising in Transport Theory (P. 22) Guo-Yan Meng: Asymptotically Optimal Parameters for the Splitting Iteration (P. 23) Li-Li Zhang: Two-StageMultisplitting Iteration Methods using Modulus-Based Matrix Splitting as Inner Iteration for Linear Complementarity Problems(P. 26) Xiang Zhang: An Inexact Newton Method Based on Multi-Step Scheme for Non-Symmetric Algebraic Ricatti Equations (P. 26)
12:30-13:30	Lunch at the Cafeteria
SessionChair	MiroRozloznik
15:00-15:45	Ken Hayami: AOR Inner-Iteration GMRES Method for Least Squares Problems(P. 11)
15:45-16:30	Zhong-Zhi Bai: On Preconditioned Iteration Methods for Complex Linear Systems(P. 10)
16:30-16:40	Coffee Break
16:40-17:40	Discussion
18:00-19:00	Dinner at the Cafeteria

March 26, Wednesday

Session Chair	Michael Ng
07:30-08:30	Breakfast at the Cafeteria
09:00-09:45	Justin Wan: Multigrid Method for Nonrigid Image Registration Based on the Optimal Mass Transport(P. 16)
09:45-10:30	Raymond Chan: Point-Spread Function Reconstruction in Ground-Based Astronomy(P. 11)
10:30-11:00	Coffee Break
11:00-11:45	Xiao-Ming Yuan: On the Convergence of the Primal-Dual Hybrid Gradient Method(P. 19)
11:45-12:30	Xiao-Sheng Zhuang: Preconditioning for Pseudo-Polar Fourier Transform and its Application to Digital Shearlet Transform(P. 20)
12:30-13:30	Lunch at the Cafeteria
13:30-17:00	Excursion 13:00Pick-up at the TSIMF 17:00Back from YalongBayTropicalParadiseForestPark
18:00-19:00	Dinner at the Cafeteria

March 27, Thursday

Session Chair	Justin Wan
07:30-08:30	Breakfast at the Cafeteria
09:00-09:45	Richard Tsai :Boundary Integral Methods Involving Implicit Representation of Surfaces (P. 16)
09:45-10:30	Michael Ng :Weighted Toeplitz Regularized Least Squares Computation for Image Restoration(P. 14)
10:30-11:00	Coffee Break
11:00-12:30	Poster Session 2 Yang Cao :An Alternating Positive Semidefinite Splitting Preconditioner for Saddle Point Problems from Time-Harmonic Eddy Current Models(P. 21) Rui-Ping Wen :Quasi-Chebyshev Accelerated Iteration Methods Based on Optimization for Linear Systems(P. 24) Yu-Jiang Wu :A New PHSS Iteration Method for Non-Hermitian Positive-Definite Linear Systems(P. 25) Jun-Feng Yin : Aitken Extrapolation Iterative Method for Computing the Largest Eigenvalue of Nonnegative Tensors (P. 25)
12:30-13:30	Lunch at the Cafeteria of TSIMF
SessionChair	Richard Tsai
15:00-15:45	Yu-Mei Huang :Preconditioning and Iterative Methods in Image Restoration(P. 12)
15:45-16:30	Zheng-Jian Bai :A Fast Alternating Minimization Algorithm for Total Variation Deblurring without Boundary Artifacts(P. 10)
16:30-16:40	Coffee Break
16:40-17:40	Discussion
18:00-20:00	Dinner at the Cafeteria of TSIMF

March 28, Friday

Session Chair	Isao Yamada
07:30-08:30	Breakfast at the Cafeteria
09:00-09:45	Shi-Qian Ma :An Extragradient-Based Alternating Direction Method for Convex Minimization(P. 13)
09:45-10:30	Dong-XiuXie :Least-Squares Symmetric Solution to the Matrix Equation $AXB=C$ with the Norm Inequality Constraint(P. 18)
10:30-11:00	Coffee Break
11:00-12:30	Poser Session 3 Heng-Bin An :Parallel Solution for Multi-Group Radiation Transfer Equations(P. 21) Yan-Ran Li :An Adaptive inpainting Algorithm Based on DCT Induced Wavelet Regularization(P. 22) Min Tao :Accelerated Uzawa Methods for Convex Optimization(P. 23) Jian-Jun Zhang :An Alternating Direction Method for Deblurring Images Corrupted by Impulsive Noise (P. 25)
12:30-14:30	Lunch at the Cafeteria
SessionChair	Zhong-Zhi Bai
14:30-16:00	Conclusion Session
16:00-19:00	Shopping
19:00-20:00	Dinner at the Cafeteria