

The Sixth Workshop for Young Chinese Computational Mathematicians

August 8-9, 2012, Beijing

Full Schedule

Conference Site: Room 311

Wednesday 8/8/2012

09:00-09:10	Opening Ceremony
09:10-11:30	Chair: Xianjin Chen : Characterization and Computation on Multiple Solutions to Elliptic Systems with Nonlinear Boundary Conditions
09:10-09:40	
09:40-10:10	Tao Cui : Parallel Adaptive Finite Element Method for 3-D VLSI Interconnect Parasitic Extraction
10:10-10:30	Tea Break
10:30-11:00	Hui Guo : Local Discontinuous Galerkin (LDG) Method for Coupled Flow and Reactive Transport Problems
11:00-11:30	Kai Jiang : Numerical Methods for Quasicrystals
11:30-14:30	Lunch
14:30-17:10	Chair: Xin Liu : Alternating Direction Method of Multiplier: Application and Theory
14:30-15:00	
15:00-15:30	Shipeng Mao : Some Inverse Type Inequalities of Boundary Nite Element Spaces
15:30-15:50	Tea Break
15:50-16:20	Sihong Shao : Relativistic Explicit Correlation
16:20-16:50	Jing Shi : TBA
16:50-17:20	Xiaoping Xie : New Residual-Based Posterior Error Estimators for Lowest-Order Raviart – Thomas Element Approximation to Convection-Diffusion –Reaction Equations
17:30	Banquet (Bao Qing Ma Tou)

Thursday 8/9/2012

09:00-11:50	Chair: Linghua Kong : LOD-MS for Maxwell's Equations
09:00-09:30	
09:30-10:00	Yun Xu : Stabilized Multiscale Galerkin Meshfree Method for Material Fracture Simulation
10:00-10:20	Tea Break
10:20-10:50	Zhi-qiang Xu : The Greedy Algorithm in Compressed Sensing
10:50-11:20	Xu Yang : A Large Deviation Framework to Analyze Metastable Behavior in Climate Systems
11:20-11:50	Zhijian Yang : A Generalized Irving-Kirkwood Formula for the Calculation of Stress in Molecular Dynamics Models
11:50-14:30	Lunch
14:30-16:40	Chair: Zhouwang Yang : Decoupling Noises and Features via Weighted ℓ_1 -analysis Compressed Sensing
14:30-15:00	
15:00-15:30	Dongsheng Yin : A Gaussian Beam Method for Nonadabatic Events
15:30-15:50	Tea Break
15:50-16:20	Lei Zhang : Numerical homogenization with non-separated scales
16:20-16:50	Xiaoying Dai : Numerical Analysis of Adaptive Finite Element Computation for Kohn-Sham Equation