

Time	15 Dec 2013 (Sunday)
16:30 - 17:30	Registration [Cover Wing outside TU201]
17:30 - 19:30	Welcome Reception [Cover Wing outside TU201]

Time	16 Dec 2013 (Monday)								
08:30 - 09:00	Registration [Cover Wing outside TU201]								
09:00 - 09:30	Opening Ceremony & Group photo [TU201]								
09:30 - 10:10	Tony Chan [TU201] <i>A Personal and Historical View of Computational Mathematics</i>								
10:10 - 10:50	Ian H. Sloan [TU201] <i>Computing Integrals in Many Dimensions -- What's New?</i>								
10:50 - 11:10	Coffee Break [Chan Shui Kau & Chan Lam Moon Chun Square]								
11:10 - 12:30	Stream 1 [M110] ----- 2 Invited Talks	Stream 2 [N001] ----- 2 Invited Talks	Stream 3 [M108] ----- 2 Invited Talks	Stream 4 [N003] ----- 2 Invited Talks	Stream 5 [M107] ----- 2 Invited Talks	Stream 6 [N002] ----- 2 Invited Talks	Workshop 1 [M106] ----- 2 Invited Talks	Workshop 2 [M103] ----- 2 Invited Talks	Workshop 3 [M104] ----- 2 Invited Talks
12:40 - 13:40	Lunch [Chan Shui Kau & Chan Lam Moon Chun Square]								
13:40 - 15:40	Stream 1 [M110] ----- 3 Invited Talks	Stream 2 [N001] ----- 3 Invited Talks	Stream 3 [M108] ----- 3 Invited Talks	Stream 4 [N003] ----- 3 Invited Talks	Stream 5 [M107] ----- 3 Invited Talks	Stream 6 [N002] ----- 3 Invited Talks	Workshop 1 [M106] ----- 3 Invited Talks	Workshop 2 [M103] ----- 3 Invited Talks	Workshop 3 [M104] ----- 3 Invited Talks
15:40 - 16:00	Coffee Break [Chan Shui Kau & Chan Lam Moon Chun Square]								
16:00 - 18:05	Stream 1 [M110] ----- 5 Contributed Talks	Stream 2 [N001] ----- 1 Invited Talk 3 Contributed Talks	Stream 3 [M108] ----- 2 Invited Talks	Stream 4 [N003] ----- 2 Invited Talks 3 Contributed Talks	Stream 5 [M107] ----- 3 Invited Talks	Stream 6 [N002] ----- 3 Invited Talks	Workshop 1 [M106] ----- 3 Talks	Workshop 2 [M103] ----- 1 Invited Talk 4 Contributed Talks	Workshop 3 [M104] ----- 1 Invited Talk 4 Contributed Talks
18:10 - 20:00	Dinner [4/F, Communal Building]								

Time	17 Dec 2013 (Tuesday)								
09:00 - 09:40	Mung Chiang [TU201] <i>Learning about Online Learning</i>								
09:40 - 10:20	Kungching Chang [TU201] <i>A Survey on the Spectral Theory of Nonnegative Tensors</i>								
10:20 - 10:40	Coffee Break [Chan Shui Kau & Chan Lam Moon Chun Square]								
10:40 - 12:40	Stream 1 [M110]	Stream 2 [N001]	Stream 3 [M108]	Stream 4 [N003]	Stream 5 [M107]	Stream 6 [N002]	Workshop 1 [M106]	Workshop 2 [M103]	Workshop 3 [M104]
	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks
12:40 - 13:40	Lunch [Chan Shui Kau & Chan Lam Moon Chun Square]								
13:40 - 15:40	Stream 1 [M110]	Stream 2 [N001]	Stream 3 [M108]	Stream 4 [N003]	Stream 5 [M107]	Stream 6 [N002]	Workshop 1 [M106]	Workshop 2 [M103]	Workshop 3 [M104]
	8 Contributed Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks	3 Invited Talks
15:40 - 16:00	Coffee Break [Chan Shui Kau & Chan Lam Moon Chun Square]								
16:00 - 18:10	Stream 1 [M110]	Stream 2 [N001]	Stream 3 [M108]	Stream 4 [N003]	Stream 5 [M107]	Stream 6 [N002]	Workshop 1 [M106]	Workshop 2 [M103]	Workshop 3 [M104]
	6 Contributed Talks	1 Invited Talk 3 Contributed Talks	1 Invited Talk 2 Contributed Talks	1 Invited Talk 6 Contributed Talks	2 Invited Talks	2 Invited Talks 3 Contributed Talks	3 Invited Talks	Free Discussion	3 Invited Talks
18:30 - 21:30	Banquet [Colour Crystal Restaurant, 2/F Harbour Crystal Centre]								

Time	18 Dec 2013 (Wednesday)							
09:00 - 09:40	Zhiming Ma [TU201] <i>A New Model for Coalescent with Recombination</i>							
09:40 - 10:20	Raytcho Lazarov [TU201] <i>Numerical Simulation of Flows in Highly Heterogeneous Porous Media</i>							
10:20 - 10:40	Coffee Break [Chan Shui Kau & Chan Lam Moon Chun Square]							
10:40 - 12:40	Stream 1 [M110] ----- 3 Invited Talks	Stream 2 [N001] ----- 3 Invited Talks	Stream 3 [M108] ----- 3 Invited Talks	Stream 4 [N003] ----- 3 Invited Talks	Stream 5 [M107] ----- 3 Invited Talks	Stream 6 [N002] ----- 3 Invited Talks	Workshop 1 [M106] ----- 3 Invited Talks	Workshop 3 [M104] ----- 3 Invited Talks
12:40 - 13:40	Lunch [Chan Shui Kau & Chan Lam Moon Chun Square]							
13:40 - 15:40	Stream 1 [M110] ----- Free Discussion	Stream 2 [N001] ----- 3 Invited Talks	----- ----- -----	Stream 4 [N003] ----- 3 Invited Talks	Stream 5 [M107] ----- 3 Invited Talks	Stream 6 [N002] ----- 3 Invited Talks	Workshop 1 [M106] ----- 3 Invited Talks	Workshop 3 [M104] ----- Free Discussion
15:40 - 16:00	Time							
16:00 - 18:05	----- ----- -----	Stream 2 [N001] ----- 1 Invited Talk 3 Contributed Talks	----- ----- -----	Stream 4 [N003] ----- 2 Invited Talks	Stream 5 [M107] ----- 2 Invited Talks	Stream 6 [N002] ----- 2 Invited Talks 3 Contributed Talks	Workshop 1 [M106] ----- 3 Talks	----- ----- -----
18:15 - 19:30	Dinner [4/F, Communal Building]							
19:45 - 20:30	Bus to Tsim Sha Tsui Star Ferry Pier							
20:45 - 22:45	Excursion (Harbour Cruise)							

Plenary Talks:

16 Dec 2013, Monday

Chair: Liqun Qi

[TU201]

09:30-10:10 **Tony Chan** (The Hong Kong University of Science and Technology, Hong Kong)
A Personal and Historical View of Computational Mathematics

10:10-10:50 **Ian H. Sloan** (The University of New South Wales, Australia)
Computing Integrals in Many Dimensions -- What's New?

17 Dec 2013, Tuesday

Chair: Man-kam Kwong

[TU201]

09:00-09:40 **Mung Chiang** (Princeton University, United States)
Learning about Online Learning

09:40-10:20 **Kungching Chang** (Peking University, China)
A Survey on the Spectral Theory of Nonnegative Tensors

18 Dec 2013, Wednesday

Chair: Shige Peng

[TU201]

09:00-09:40 **Zhiming Ma** (The Chinese Academy of Sciences, China)
A New Model for Coalescent with Recombination

09:40-10:20 **Raycho Lazarov** (Texas A&M University, United States)
Numerical Simulation of Flows in Highly Heterogeneous Porous Media

Stream 1: Applications of Engineering Mathematics

Organizers: C.K. Chan (PolyU), Kaibin Huang (PolyU)

16 Dec 2013, Monday

Chair: Cheong-ki Chan **[M110]**

11:10-11:50 **Valeri Ougrinovski** (The Chuang, Australia)
Consensus-Based Robust Distributed Estimation

11:50-12:30 **Huiqiang Zhang** (Tsinghua University, China)
Combustion Instability in Liquid Rocket Engine, Scramjet Engine and SI Engine

Chair: Guofeng Zhang **[M110]**

13:40-14:20 **Matthew R. James** (Australian National University, Australia)
Linear Systems Model for Quantum Memories

14:20-15:00 **Ian R. Petersen** (The University of New South Wales, Australia)
Guaranteed Non-Quadratic Performance for Quantum Systems with Nonlinear Uncertainties

15:00-15:40 **San Ling** (Nanyang Technological University, Singapore)
On Some Recent Constructions of Quantum Error-Correcting Codes

Chair: C.K. Chan **[M110]**

16:00-16:15 **Jiancheng Zheng** (Tsinghua University, China)
The Interaction between Flame and Aerodynamic Waves in One-Dimensional Confined Space

16:15-16:30 **Bing Wang** (Tsinghua University, China)
Applications of Stochastic Separation Flow Model in Numerical Simulation of Supersonic Boundary Layer Flows

16:30-16:45 **Jianxiu Qin** (Tsinghua University, China)
Effects of Mixture Ratio on Combustion Instability in a RP-1/Lox Rocket Engine

16:45-17:00 **Yunlong Zhang** (Tsinghua University, China)
The Effect of Convective Mach Number on The Scalar Dissipation Rate in Supersonic Mixing Layers

17:00-17:15 **Sonam Singh** (Indian Institute of Technology, India)
*Numerical Simulation of Unsteady Magneto-Hydrodynamic Micropolar Squeeze
 Film Flow between Parallel Plates*

17 Dec 2013, Tuesday

Chair: Haidong Yuan **[M110]**

10:40-11:20 **Carola-Bibiane Schöenlieb** (University of Cambridge, United Kingdom)
Learning the Optimal Image Denoising Model Using Bilevel Optimization

11:20-12:00 **Jr-shin Li** (Washington University at St Louis, United States)
*Iterative SVD Algorithm for Optimal Control Synthesis of Bilinear Ensemble
 Systems*

12:00-12:40 **Naoki Yamamoto** (Keio University, Japan)
Decoherence-free linear quantum subsystems

Chair: Wei Zhao **[M110]**

13:40-13:55 **Yana Di** (Chinese Academy of Sciences, China)
Moment Methods for the Vlasov-Maxwell Equations

13:55-14:10 **Jinzhong Wang** (Dalian Nationalities University, China; Dalian University of
 Technology, China)
Painlevé Test of the Generalized Variable Coefficient KdV Equation

14:10-14:25 **Wenjun Ying** (Shanghai Jiaotong University, China)
*A Structured Grid Method for the Singularly Perturbed Reaction-Diffusion
 Equation from Computational Cardiology*

14:25-14:40 **Na Lv** (Dalian Nationalities University, China)
*Symmetry Transformations and New Explicit Solutions of Two (2+1)-
 Dimensional Differential-Difference Equations*

Chair: Na Lv **[M110]**

14:40-14:55 **Filipe S. Cal** (CAMSGD, Portugal)
Trapped Modes around Freely Floating Bodies in Two Layer Fluids

14:55-15:10 **Wei Zhao** (Dalian Nationalities University, China)
*Qualitative Analysis for Boundary Value Problem of a Class of Second-Order
 Ordinary Differential Equations*

15:10-15:25 **Datian Niu** (Dalian Nationalities University, China)
Improving Approximate Singular Triplets in Lanczos Bidiagonalization Method

15:25-15:40 **Evan Curcio** (The City University of New York, United States)
Properties of the Parameter Space for a Chemotaxis Model

Chair: Bing Wang **[M110]**

16:00-16:15 **Yincheng Guo** (Tsinghua University, China)
Large Eddy Simulation of Natural Gas Leakage in Urban Street Canyons

16:15-16:30 **Manish Vashishtha** (Malaviya National Institute of Technology, India)
Modeling of Non Catalytic Tubular Reactor: Flow of Non-Newtonian Fluids under Non-Isothermal Conditions

16:30-16:45 **Haixu Liu** (Tsinghua University, China)
An Eulerian Approach of Particle Phase Based on Jordan Decomposition for Compressible Multiphase Flow

Chair: Carola-Bibiane Schöenlieb **[M110]**

16:45-17:00 **Özlem Esen** (Anadolu University, Turkey)
On Diagonal Stability Analysis of Switched Systems

17:00-17:15 **Nirmal Yadav** (Indian Institute of Technology, India)
Tomographic Image Reconstruction with Contourlet Transform

17:15-17:30 **Muhammad Asif Farooq** (National Univ. of Sciences & Technology, Pakistan)
Cartesian Grid Method for the Compressible Navier-Stokes Equations Using Simplified Ghost Point Treatment at Embedded Boundaries

18 Dec 2013, Wednesday

Chair: Kaibin Huang **[M110]**

10:40-11:20 **Seong-Lyun Kim** (Yonsei University, Korea)
Game-Theoretic Understanding of Resource Pricing in Cellular Radios

11:20-12:00 **Radhakrishna Ganti** (Indian Institute of Technology, India)
Modelling and Analysis of Heterogeneous Network: A Stochastic Geometric Approach

12:00-12:40 **Seok-hee Hong** (University of Sydney, Australia)
Network Analysis and Visualisation

Chair: Kaibin Huang **[M110]**

13:40-15:40 *Free Discussion*

Stream 2: Computational Optimization

Organizers: Xiaojun Chen (PolyU)

16 Dec 2013, Monday

Chair: Shuzhong Zhang

[N001]

11:10-11:50 **Roger J-B Wets** (University of California, United States)
Solving Stochastic VI via Expected Residual Minimization

11:50-12:30 **Defeng Sun** (National University of Singapore, Singapore)
Multi-Stage Convex Relaxation Approach for Low-Rank Structured PSD Optimization Problems

Chair: Defeng Sun

[N001]

13:40-14:20 **Michael Overton** (New York University, United States)
Stability Optimization for Polynomials and Matrices

14:20-15:00 **Yuhong Dai** (Chinese Academy of Sciences, China)
Unconstrained Optimization Models for Computing Several Extreme Eigenpairs of Real Symmetric Matrices

15:00-15:40 **Zhaosong Lu** (Simon Fraser University, Canada)
Randomized Block Coordinate Gradient Methods for a Class of Nonlinear Programming

Chair: Jane Ye

[N001]

16:00-16:40 **Xiaoming Yuan** (Hong Kong Baptist University, Hong Kong)
On the Extension of ADMM for Separable Convex Programming and Beyond: From Variational Inequality Perspective

16:40-17:00 **Fengmin Xu** (Xi'an Jiaotong University, China)
Sparse Index Tracking Based On L1/2 Model and Algorithm

17:00-17:20 **Divyesh Patel** (Indian Institute of Technology, India)
Reconstruction of Periodic Binary Matrices from Row and Column Projections by Simulated Annealing

17:20-17:40 **Samir Kumar Neogy** (Indian Statistical Institute, India)
On Solving a Quadratic Programming Problem Involving Distances in Trees in Polynomial Time

17 Dec 2013, Tuesday

Chair: Michael Overton

[N001]

10:40-11:20 **Yinyu Ye** (Stanford University, United States)
Complexity Analysis beyond Convex Optimization

11:20-12:00 **Shuzhong Zhang** (University of Minnesota, United States)
New Results in Tensor and Polynomial Optimization

12:00-12:40 **Che-Lin Su** (The University of Chicago, United States)
Estimating Dynamic Discrete-Choice Games of Incomplete Information

Chair: Xiaoqi Yang

[N001]

13:40-14:20 **Yaxiang Yuan** (Chinese Academy of Sciences, China)
On the Convergence and Worst-Case Complexity of Trust-Region and Regularization Methods for Unconstrained Optimization

14:20-15:00 **Sven Leyffer** (Argonne National Laboratory, United States)
Exploiting Nonlinear Structure in Mixed-Integer Nonlinear Optimization

15:00-15:40 **Jane Ye** (University of Victoria, Canada)
Smoothing SQP Methods for Solving Nonsmooth and Nonconvex Constrained Optimization Problems

Chair: Andreas Fischer

[N001]

16:00-16:40 **Qi Qi** (The Hong Kong University of Science & Technology, Hong Kong)
Social Welfare Maximization in Social Media Advertising

16:40-17:00 **Zhengyu Wang** (Nanjing University, China)
Regularization and Smoothing of Differential Variational Inequality with Application to Dynamic Games

17:00-17:20 **Wei Bian** (Harbin Institute of Technology, China)
Complexity Analysis of Interior Point Algorithms for Non-Lipschitz and Nonconvex Minimization

17:20-17:40 **Yang Zhou** (The Hong Kong Polytechnic University, Hong Kong)
Optimization Methods for Finding Spherical t_ϵ -design on the Sphere

18 Dec 2013, Wednesday

Chair: Yaxiang Yuan

[N001]

- 10:40-11:20 **Tim Kelley** (North Carolina State University, United States)
Calibration of a New Density-Dependent Flow Model with Implicit Filtering
- 11:20-12:00 **Shin'ichi Oishi** (Waseda University, Japan)
Numerical Verification of Hyperbolicity for 3-Manifolds
- 12:00-12:40 **Andreas Fischer** (TU Dresden, Germany)
Beamforming for Problems with Discrete Antenna Weights

Chair: Sven Leyffer

[N001]

- 13:40-14:20 **Raymond Chan** (The Chinese University of Hong Kong, Hong Kong)
A Two-Stage Image Segmentation Method Using a Convex Variant of The Mumford-Shah Model and Thresholding
- 14:20-15:00 **Xiaoqi Yang** (The Hong Kong Polytechnic University, Hong Kong)
First- And Second-Order Necessary Conditions via Exact Penalty Functions
- 15:00-15:40 **Chuangyin Dang** (City University of Hong Kong, Hong Kong)
A Smooth Path-Following Approach to the Determination of a Perfect and d-proper Equilibrium

Chair: Roger J-B Wets

[N001]

- 16:00-16:40 **Shiqian Ma** (The Chinese University of Hong Kong, Hong Kong)
Penalty Methods with Stochastic Approximation for Stochastic Nonlinear Programming
- 16:40-17:00 **Hailin Sun** (Nanjing University of Science and Technology, China)
Regularized Mathematical Programs with Stochastic Equilibrium Constraints: Estimating Structural Demand Models
- 17:00-17:20 **Yanfang Zhang** (Chinese Academy of Sciences, China)
Gradient Consistency of Smoothing Functions for the Integrable Functions and Applications
- 17:20-17:40 **Xin Liu** (Chinese Academy of Sciences, China)
On the Convergence of the Self-Consistent Field Iteration for Solving the Kohn-Sham Equation

Stream 3: Statistical Modeling and Computational Statistics

Organizers: Chunling Liu (PolyU), Heung Wong (PolyU) and Xingqiu Zhao (PolyU)

16 Dec 2013, Monday

Chair: Gang Li **[M108]**

11:10-11:50 **Mei-Cheng Wang** (Johns Hopkins University, United States)
Modeling and Estimating the Terminal Behavior of a Recurrent Marker Process

11:50-12:30 **Kani Chen** (The Hong Kong University of Science and Technology, Hong Kong)
Modeling Clustering Effects of Recurrent Events Using Self-Exciting Processes

Chair: Mei-Cheng Wang **[M108]**

13:40-14:20 **Cun-Hui Zhang** (Rutgers University, United States)
Estimation and Selection via Lasso and its Multistage Adaptive Applications

14:20-15:00 **Shuangge Ma** (Yale University, United States)
Contrasted Penalized Integrative Analysis

15:00-15:40 **Jian Huang** (University of Iowa, United States)
A Constructive Approach to High-Dimensional Linear Regression

Chair: Cun-Hui Zhang **[M108]**

16:00-16:40 **Ngai-Hang Chan** (The Chinese University of Hong Kong, Hong Kong)
On the Bartlett Correction of Empirical Likelihood of Gaussian Long Memory Time Series

16:40-17:20 **Shiqing Ling** (The Hong Kong University of Science and Technology, Hong Kong)
Inference for ARMA Models with Unknown-Form and Heavy-Tailed ARCH-Type Noises

17 Dec 2013, Tuesday

Chair: Shuangge Ma **[M108]**

10:40-11:20 **Gang Li** (University of California, Los Angeles, United States)
Joint Inference for Competing Risk Data

11:20-12:00 **Huazhen Lin** (Southwestern University of Finance and Economics, China)
Estimating a Unitary Effect Summary Based on Combined Survival and Quantitative Outcomes

12:00-12:40 **Xinyuan Song** (The Chinese University of Hong Kong, Hong Kong)
Hidden Markov Latent Variable Models with Multivariate Longitudinal Data

Chair: Heung Wong **[M108]**

13:40-14:20 **Zudi Lu** (The University of Adelaide, Australia)
Nonparametric Estimation of Probability Density Functions for Irregularly Observed Spatial Data

14:20-15:00 **Bin Nan** (University of Michigan, United States)
A Computationally Fast and Asymptotically Efficient Estimating Approach for Change-Points

15:00-15:40 **Bing-Yi Jing** (The Hong Kong University of Science and Technology, Hong Kong)
On the SURE-Type Shrinkage Estimation

Chair: Xingqiu Zhao **[M108]**

16:00-16:40 **Yuanshan Wu** (Wuhan University, China)
Sieve Maximum Likelihood Estimation for a General Class of Accelerated Hazards Models

16:40-17:10 **Chun Yin Yip** (The Hong Kong Polytechnic University, Hong Kong)
Real-time spatial forecasting system for multiple air pollutants

17:10-17:40 **Zhisheng Ye** (The Hong Kong Polytechnic University, Hong Kong)
On Analysis of Warranty Data with Unobserved Sales Date

18 Dec 2013, Wednesday

Chair: Chunling Liu **[M108]**

10:40-11:20 **Hua Liang** (George Washington University, United States)
AIC-Type Model Selection Criterion for Longitudinal Data Incorporating GEE Approach

11:20-12:00 **Annie Qu** (University of Illinois at Urbana-Champaign, United States)
Personalized Treatment for Longitudinal Data

12:00-12:40 **Peter Song** (University of Michigan, United States)
Analysis of Merged Longitudinal Data from Multiple Studies

Stream 4: Mathematical Modeling and Computational Mathematics

Organizers: Man-Kam Kwong (PolyU), Zhonghua Qiao (PolyU)

16 Dec 2013, Monday

Chair: Ian H. Sloan **[N003]**

11:10-11:50 **Pingwen Zhang** (Peking University, China)
The Small Deborah Number Limit of the Doi-Onsager Equation to the Ericksen-Leslie Equation

11:50-12:30 **Xiaobing H. Feng** (The University of Tennessee, United States)
An Efficient Numerical Approach for High Frequency Wave Scattering in Random Media

Chair: Pingwen Zhang **[N003]**

13:40-14:20 **Jialin Hong** (Chinese Academy of Sciences, China)
Fundamental Convergence Theorems of Numerical Methods for SDEs

14:20-15:00 **Hector Gomez** (University of A Coruña, Spain)
Phase-Field Modeling, Isogeometric Analysis and Unconditionally Stable Time Integration: Application to Biological Interfaces

15:00-15:40 **Chuanju Xu** (Xiamen University, China)
Some New Developments of Spectral and Spectral Element Methods and Their Applications

Chair: Xiaobing H. Feng **[N003]**

16:00-16:40 **Cheng Wang** (University of Massachusetts Dartmouth, United States)
Numerical Schemes for the Modified Phase Field Crystal (MPFC) Equation with Unconditional Pseudo-Energy Stability

16:40-17:20 **Hui Zhang** (Beijing Normal University, China)
The Phase Transition and Large Deformation Theory of Macromolecular Microsphere Composite Hydrogel

17:20-17:35 **Hehu Xie** (Chinese Academy of Sciences, China)
A Multilevel Correction Method for Transmission Eigenvalue

17:35-17:50 **En-bing Lin** (Central Michigan University, United States)
Numerical Solutions of One and Two Dimensional Integral Equations

17:50-18:05 **Sigram Schindler** (*Technical University of Berlin, Germany*)
Mathematically Modeling Patent Precedents and Inventions Disclosed by Patents,-First Steps of a “Mathematical Theory of Innovation”

17 Dec 2013, Tuesday

Chair: Xiaobing H. Feng **[N003]**

10:40-11:20 **Jie Shen** (Purdue University, United States and Xiamen University, China)
Efficient Energy Stable Schemes for Phase-Field Models of Two-Phase-Flows with Variable Density

11:20-12:00 **Ping Lin** (University of Dundee, United Kingdom)
Energy Law and Its Numerical Preservation for Quasi-Incompressible Navier-Stokes Cahn-Hilliard (NSCH) System with Variable Density

12:00-12:40 **Zhilin Li** (North Carolina State University, United States)
Augmented IFEM for Interface and Irregular Domain Problems

Chair: Jie Shen **[N003]**

13:40-14:20 **Tao Tang** (Hong Kong Baptist University, Hong Kong)
Numerical Stability on the Allen-Cahn equation

14:20-15:00 **Hyung-Chun Lee** (Ajou University, Korea)
Partial Differential Equations Using Reduced-Order Modeling

15:00-15:40 **Jianguo Huang** (Shanghai Jiao Tong University, China)
An Adaptive Time Stepping Method with Efficient Error Control for Second-Order Evolution Problems

Chair: Ping Lin **[N003]**

16:00-16:40 **Yanping Chen** (South China Normal University, China)
Error Estimates and Superconvergence of Mixed Finite Element Methods for Bilinear Optimal Control Problems

16:40-16:55 **Jun Bo Cheng** (Inst. of Apply Physics and Computational Mathematics, China)
A Sub-cell Real 2D WENO Reconstruction Method for Spatial Derivatives in the ADER Scheme

16:55-17:10 **Zhengru Zhang** (Beijing Normal University, China)
An Energy-stable Finite-Difference Scheme for the Binary Fluid-Surfactant System

- 17:10-17:25 **Pooja Raj Verma** (Indian Institute of Technology Roorkee, India)
Strip-Saturation Model for Piezoelectric Strip Cut along Two Collinear Cracks under Mode-III Deformation
- 17:25-17:40 **Lazhar Bougoffa** (Al Imam University, Saudi Arabia)
A New Modified Adomian Decomposition Method for Solving Robin Boundary Value Problems for Second-Order Differential Equations
- 17:40-17:55 **Isha Dhiman** (Indian Institute of Technology Ropar, India)
Effects of a Static Bottleneck in a Continuum Traffic Flow Model
- 17:55-18:10 **Kamlesh Jangid** (Indian Institute of Technology Roorkee, India)
A Study on Influence of Changing Poling Direction on Piezoelectric Plate Cut along Two Unequal Cracks

18 Dec 2013, Wednesday

Chair: Hyung-Chun Lee [N003]

- 10:40-11:20 **Xiaoming Wang** (Florida State University, United States)
Numerical Schemes for Long Time Statistical Properties of Dissipative Chaotic Dynamical Systems
- 11:20-12:00 **Kazufumi Ito** (North Carolina State University, United States)
Fluid-Structure Interaction Model and Levelset Method
- 12:00-12:40 **Lili Ju** (University of South Carolina, United States)
Fast Explicit Integration Factor Methods for Semilinear Parabolic Equations

Chair: Xiaoming Wang [N003]

- 13:40-14:20 **Sou-Cheng Choi** (University of Chicago, United States)
Minimal Residual Methods for Solving Singular Unsymmetric or Non-Hermitian Linear Equations
- 14:20-15:00 **Dexuan Xie** (University of Wisconsin-Milwaukee, United States)
New Nonlocal Continuum Electrostatic Models and Fast Finite Element Solvers for Biomolecule in Ionic Solvent
- 15:00-15:40 **Xiaofan Li** (Illinois Institute of Technology, United States)
A Conservative Scheme for Poisson-Nernst-Planck Equations

Chair: Lili Ju

[N003]

- 16:00-16:40 **Qiang Du** (Penn State University, United States)
Nonlocal Calculus, Nonlocal Balance Laws and Asymptotically Compatible Discretizations
- 16:40-17:20 **Xuecheng Tai** (University of Bergen, Norway)
Four Color Theorem and Convex Relaxation for Image Segmentation with Any Number of Regions

Stream 5: Numerical Multi-Linear Algebra and Tensor Computation

Organizers: Liqun Qi (PolyU)

16 Dec 2013 , Monday

Chair: Liqun Qi **[M107]**

11:10-11:50 **Shmuel Friedland** (University of Illinois at Chicago, United States)
Compressive Sensing of Sparse Tensors

11:50-12:30 **Guoyin Li** (The University of New South Wales, Australia)
The Maximum Eigenvalue of a Symmetric Tensor: a Polynomial Optimization Approach

Chair: Michael Ng **[M107]**

13:40-14:20 **Vlado Nikiforov** (University of Memphis, United States)
Spectral Extremal Problems for Hypergraphs

14:20-15:00 **Jiayu Shao** (Tongji University, China)
Some New Trace Formulas of Tensors with Applications in Spectral Hypergraph Theory

15:00-15:40 **An Chang** (Fuzhou University, China)
Z-Eigenvalues of the Adjacency Tensors for Uniform Hypergraphs

Chair: Yimin Wei **[M107]**

16:00-16:40 **Lek-Heng Lim** (University of Chicago, United States)
Tensors in Optimization Theory

16:40-17:20 **Wen Li** (South China Normal University, China)
On Extreme Points of the Set of Multi-Stochastic Tensors

17:20-18:00 **Yisheng Song** (Henan Normal University, China)
Spectral Properties of Positively Homogeneous Operators Induced by Higher Order Tensors

17 Dec 2013, Tuesday**Chair:** Lek-Heng Lim**[M107]**

10:40-11:20 **Liqun Qi** (The Hong Kong Polytechnic University, Hong Kong)
Hankel Tensors: Associated Hankel Matrices and Vandermonde Decomposition

11:20-12:00 **Otto Debals** (KU Leuven, Belgium)
Hankel-based Signal Separation of Exponential Polynomials

12:00-12:40 **Yimin Wei** (Fudan University, China)
M-Tensors and Nonsingular M-Tensors

Chair: Giorgio Ottaviani**[M107]**

13:40-14:20 **Michael Ng** (Hong Kong Baptist University, Hong Kong)
Nonnegative Tensors: Theory and Applications

14:20-15:00 **Guanglu Zhou** (Curtin University, Australia)
On the Largest Eigenvalue of a Symmetric Nonnegative Tensor

15:00-15:40 **Qingzhi Yang** (Nankai University, China)
The Methods for Solving the Spectral Radius of the Square Nonnegative Tensor

Chair: Jiayu Shao**[M107]**

16:00-16:40 **Lixing Han** (University of Michigan at Flint, United States)
An Improved ANLS Algorithm for Nonnegative Tensor Factorization

16:40-17:20 **Deren Han** (Nanjing Normal University, China)
A Trust Region Based Alternating Least-Squares Algorithm for Tensor Decompositions

18 Dec 2013, Wednesday**Chair:** Shmuel Friedland**[M107]**

10:40-11:20 **Giorgio Ottaviani** (University of Florence, Italy)
Best Rank One Approximations

11:20-12:00 **Jiawang Nie** (University of California at San Diego, United States)
Semidefinite Relaxations for Best Rank-1 Tensor Approximations

12:00-12:40 **Xinzhen Zhang** (Tianjin University, China)
The Rank Decomposition and the Symmetric Rank Decomposition of a Symmetric Tensor

Chair: Qingzhi Yang

[M107]

13:40-14:20 **Guyan Ni** (National University of Defense Technology, China)
Quantum Entanglement and US-Eigenvalues of Symmetric Complex Tensors

14:20-15:00 **Yaokun Wu** (Shanghai Jiao Tong University, China)
Algebraic Connectivity of an Even Uniform Hypergraph

15:00-15:40 **Jinshan Xie** (Longyan University, China)
The Clique and Coclique Numbers' Bounds based on the H-Eigenvalues of Uniform Hypergraphs

Chair: Guanglu Zhou

[M107]

16:00-16:40 **Andrzej Cichocki** (Riken Brain Science Institute, Japan)
Tensor Networks and Multilinear Low-Rank Approximations for Big Data Analysis

16:40-17:20 **Guoxu Zhou** (Riken Brain Science Institute, Japan)
Nonnegative Tensor Decompositions: An Algorithmic Perspective

Stream 6: Numerical Ordinary and Partial Differential Equations

Organizers: Xiaoming He (Missouri University of Science & Technology), Yanping Lin (PolyU)

16 Dec 2013, Monday

Chair: Yanping Lin **[N002]**

11:10-11:50 **Zhiming Chen** (Chinese Academy of Sciences, China)
Reverse Time Migration for Reconstructing Extended Obstacles in Planar Acoustic Waveguides

11:50-12:30 **Graeme Fairweather** (Mathematical Reviews, United States)
An ADI Orthogonal Spline Collocation Method for the Two-Dimensional Fractional Diffusion-Wave Equation

Chair: Xiaoming He **[N002]**

13:40-14:20 **Martin J. Gander** (University of Geneva, Switzerland)
Parallelizing the Time Direction: an Overview

14:20-15:00 **Xuejun Xu** (Chinese Academy of Sciences, China)
On a Robin-type Nonoverlapping Domain Decomposition Preconditioner

15:00-15:40 **Clayton Webster** (Oak Ridge National Lab, United States)
A Hyper-Spherical Sparse Grid Approach for High-Dimensional Discontinuity Detection

Chair: Zhiming Chen **[N002]**

16:00-16:40 **Zhimin Zhang** (Wayne State University, United States)
Polynomial Preserving Recovery for Gradient and Hessian including boundary

16:40-17:20 **Li-Yeng Sung** (Louisiana State University, United States)
Multigrid Methods for Saddle Point Problems

17:20-18:00 **Xiu Ye** (University of Arkansas at Little Rock, United States)
A New Class of Finite Element Methods: Weak Galerkin Methods

17 Dec 2013, Tuesday

Chair: Zhimin Zhang

[N002]

10:40-11:20 **Hong Wang** (University of South Carolina, United States)
Variable-Coefficient Space-Fractional Diffusion Equations: Mathematical Analysis and Fast Numerical Solution

11:20-12:00 **Miroslav Stoyanov** (Oak Ridge National Lab, United States)
Gradient Based Dimension Reduction Approach for Stochastic Partial Differential Equations

12:00-12:40 **Jichun Li** (University of Nevada Las Vegas, United States)
Recent Progress in Mathematical Study of Cloak Models

Chair: Martin J. Gander

[N002]

13:40-14:20 **Junping Wang** (The National Science Foundation, United States)
Weak Galerkin Finite Element Methods

14:20-15:00 **Choi-Hong Lai** (University of Greenwich, United Kingdom)
Modelling Absorption and Metabolism of Fatty Acid

15:00-15:40 **Guannan Zhang** (Oak Ridge National Lab, United States)
A Hybrid Adaptive Sparse-Grid Method for High-Dimensional Zakai Equation

Chair: Jichun Li

[N002]

16:00-16:40 **Catalin Trenchea** (University of Pittsburgh, United States)
Improving Time-Stepping Numerics for Weakly Dissipative Systems

16:40-17:20 **Yong Cao** (Harbin Institute of Technology, China)
Periodic Boundary Conditions with Immersed Finite Elements for Interface Problems

17:20-17:35 **Ran Zhang** (Jilin University, China)
Maximum Principles for P_1 -Conforming Finite Element Approximations of Quasi-Linear Second Order Elliptic Equations

17:35-17:50 **Chunmei Wang** (Nanjing Normal University, China)
An Efficient Numerical Method for the Biharmonic Equation by Weak Galerkin Finite Element Methods on Generic Polygonal or Polyhedral Meshes

17:50-18:05 **Ruihan Guo** (University of Science and Technology of China, China)
Efficient Solvers of Discontinuous Galerkin Discretization for the Cahn-Hilliard Equations

18 Dec 2013, Wednesday

Chair: Jiang Zhu

[N002]

10:40-11:20 **Yanzhao Cao** (Auburn University, United States)
Steady and Quasi-Static Flow in A Deformable Poroelastic Medium

11:20-12:00 **Xiaoping Xie** (Sichuan University, China)
Hybrid Stress Finite Element Analysis: Theory and Applications

12:00-12:40 **Michael Neilan** (University of Pittsburgh, United States)
Conforming and Divergence-Free Stokes Finite Elements

Chair: Michael Neilan

[N002]

13:40-14:20 **Jin Huang** (University of Electronic Science and Technology of China, China)
Mechanical Quadrature Methods and Their Extrapolations for Solving the First Kind Boundary Integral Equations of Stokes Equation

15:00-15:40 **Dong Liang** (York University, Canada)
The Efficient Splitting Characteristic Method for Aerosol Transport Problems in Environment

14:20-15:00 **Ju Ming** (Beijing Computational Science Research Center, China)
Optimal Control of Stochastic Flow Using Reduced Order Modeling

Chair: Dong Liang

[N002]

16:00-16:40 **Jiang Zhu** (National Laboratory for Scientific Computing, Brazil)
A Mixed Hybrid Discontinuous Galerkin Method for Convection-Diffusion Interface Problem

16:40-17:20 **Yingxiang Xu** (Northeast Normal University, China)
Optimized Schwarz Methods with Unsymmetric Domain Decomposition

17:20-17:35 **Chuanjun Chen** (Yantai University, China)
A Two-Grid Finite Volume Element Method for a Nonlinear Parabolic Problem

17:35-17:50 **Samir Karaa** (Sultan Qaboos University, Oman)
Numerical Approximation of Second Order Wave Equations by Newmark Scheme

Workshop 1

Computational and Mathematical Finance

Organizers: Xun Li (PolyU), Cedric Yiu (PolyU)

16 Dec 2013, Monday

Chair: Qihong Chen **[M106]**

11:10-11:50 **Xi-Ren Cao** (Shanghai Jiao Tong University China; The Hong Kong University of Science and Technology, Hong Kong)
Local Properties of Behavioral Analysis in Finance

11:50-12:30 **Nan Chen** (The Chinese University of Hong Kong, Hong Kong)
Interconnected Balance Sheets, Market Liquidity, and the Amplification Effects in a Financial System

Chair: Xi-Ren Cao **[M106]**

13:40-14:20 **Qihong Chen** (Shanghai University of Finance and Economics, China)
A New Kind of Low-Risk Option

14:20-15:00 **Wai-Ki Ching** (The University of Hong Kong, Hong Kong)
On Modeling Economic Default Time: A Reduced-Form Model Approach

15:00-15:40 **Chi Man Leung** (Hong Kong Baptist University, Hong Kong)
Numerical Algorithms for R&D Stochastic Control Models

Chair: Robert S Womersley **[M106]**

16:00-16:40 **Hideo Nagai** (Kansai University and Osaka University, Japan)
H-J-B Equations of Optimal Consumption-Investment and Verification Theorems

16:40-17:20 **Chi Tim Ng** (Chonnam National University, South Korea)
“True Identification Properties” of Change-point Estimators

17:20-18:00 **Yuan-Hua Ni** (Chinese Academy of Sciences, China)
Indefinite Mean-Field Stochastic Linear-Quadratic Optimal Control with Application to Dynamic Mean-Variance Portfolio Selection

17 Dec 2013, Tuesday**Chair:** Song Wang**[M106]**

10:40-11:20 **Robert S Womersley** (The University of New South Wales, Australia)
Calibration of Financial Models

11:20-12:00 **Jiongmin Yong** (University of Central Florida Orlando, United States)
Some Recent Results on Time-Inconsistent Optimal Control Problems

12:00-12:40 **Lixin Wu** (The Hong Kong University of Science and Technology, China)
Myth and Insights on Funding Valuation Adjustment

Chair: Lixin Wu**[M106]**

13:40-14:20 **Shige Peng** (Shandong University, China)
TBA

14:20-15:00 **Qingshuo Song** (City University of Hong Kong, Hong Kong)
Weak Convergence Methods for Approximation of Path-Dependent Functional

15:00-15:40 **Jie Xiong** (University of Macau, Macau and University of Tennessee, United States)
Stochastic Filtering and Optimal Control

Chair: Jiongmin Yong**[M106]**

16:00-16:40 **Hailiang Yang** (The University of Hong Kong, Hong Kong)
Valuing Contingent Options

16:40-17:20 **Qi Wu** (The Chinese University of Hong Kong, Hong Kong)
Forward and Future Implied Volatility

17:20-18:00 **Xu Zhang** (Sichuan University, China)
Numerical Solutions of BSDEs, a Finite Transposition Method

18 Dec 2013, Wednesday

Chair: Chi Tim Ng

[M106]

10:40-11:20 **Alain Bensoussan** (The University of Texas at Dallas, United States)
Mean Field Games and Mean Field Type Control

11:20-12:00 **Song Wang** (The University of Western Australia, Australia)
*Numerical Solution of Fractional Black-Scholes Equations and Inequalities
Arising in Pricing European and American Options Under a Levy Process*

12:00-12:40 **Javad Abdalkhani** (The Ohio State University-Lima, United States)
Modified Neumann Series for Some Classes of Integral Equations

Chair: Javad Abdalkhani

[M106]

13:40-14:20 **Wenting Chen** (University of Wollongong, Australia)
*Predictor-Corrector Approach for Pricing American Options under the Finite
Moment Log-Stable Model*

14:20-15:00 **Vipul R. Shah** (Sardar Patel University, India)
Fractal Dimensional Analysis of Financial Time Series

15:00-15:40 **Junfeng Yin** (Tongji University, China)
Projected Triangular Decomposition Methods for Pricing American Options

Chair: Junfeng Yin

[M106]

16:00-16:40 **Haixiang Zhang** (Central South University, China)
Orthogonal Spline Collocation Methods for Space Fractional Diffusion Equation

16:40-17:20 **Jia-Wen Gu** (The University of Hong Kong, Hong Kong)
On Reduced Form Intensity-based Model with Trigger Events

17:20-18:00 **Hanqing Jin** (University of Oxford, United Kingdom)
Investment Decision without Time Consistency

Workshop 2:
Computational Mathematics for Oil and Gas applications
(A workshop in Honor of Prof. Mary F. Wheeler's 75th Birthday)

Organizer: Shuyu Sun (King Abdullah University of Science and Technology)

16 Dec 2013, Monday

Chair: Ivan Yotov **[M103]**

11:10-11:50 **Mary F. Wheeler** (The University of Texas at Austin, United States)
Modeling Hydraulic Fracturing in Porous Media

11:50-12:30 **Abbas Firoozaabdi** (Yale University and Reservoir Engineering Research Institute, United States)
Modeling Three-Phase Compositional Flow on Complex 3D Unstructured Grids with Higher-Order Finite Element Methods

Chair: Abbas Firoozaabdi **[M103]**

13:40-14:20 **Zhangxing John Chen** (University of Calgary, Canada)
An Integrated Solution Program in Shale Gas Play Development and Production

14:20-15:00 **Ivan Yotov** (University of Pittsburgh, United States)
Multiscale Mortar Methods for Multiphysics Applications

15:00-15:40 **Steve Liu** (University of Kent, United Kingdom)
Optimal Control Problem of System Governed by Immiscible Displacement Problem in Porous Media

Chair: Amgad Salama **[M103]**

16:00-16:40 **Xiao-Ping Wang** (The Hong Kong University of Science and Technology, Hong Kong)
A New Approach to Multi-Phase Field Modeling and Simulation

16:40-16:55 **Zhijun Tan** (Sun Yat-sen University, China)
An Immersed Interface Method for Solving Two-phase Interfacial Flows

16:55-17:10 **Xiuwen Li** (Dalian Nationalities University, China)
The Immersed Boundary-Lattice Boltzmann Method for the Simulation of the Flow around Hydrofoils

17:10-17:25 **Heyu Wang** (Zhejiang University, China)
An Adaptive NRxx Method for 2D Simulation

17:25-17:40 **Xuehua Yang** (Hunan Normal University, China)
The Compact Difference Method for a Class of Integro-Differential Equations with Completely Monotonic Kernels

17 Dec 2013, Tuesday

Chair: Xiao-Ping Wang **[M103]**

10:40-11:20 **Tiezheng Qian** (The Hong Kong University of Science and Technology, Hong Kong)
Droplet Motion with Evaporation and Condensation in One-Component Fluids

11:20-12:00 **Jie Chen** (Xi'an Jiaotong University, China)
An Adaptive Finite Element Method of Two-Phase Flow in Heterogeneous Permeable Media with Different Capillarity Pressures

12:00-12:40 **Amgad Salama** (King Abdullah University of Science and Technology, Saudi Arabia)
An Experimenting Fields Approach to the Numerical Solution of the Navier-Stokes Equations

Chair: Jie Chen **[M103]**

13:40-14:20 **Shuyu Sun** (King Abdullah University of Science and Technology, Saudi Arabia)
Pore-Scale Simulation of Two-Phase Fluid Systems Consisting of Hydrocarbon Components

14:20-15:00 **Jisheng Kou** (Hubei Engineering University, China)
Numerical Methods for Simulating Surface Tension with the Gradient Theory of Fluid Interfaces

15:00-15:40 **Yi Wang** (China University of Petroleum at Beijing, China)
Numerical Investigations on Turbulent Fluctuations of Additive-Induced Drag-Reducing Flow by Using the Wavelet Decomposition Method

Chair: Shuyu Sun **[M103]**

16:00-18:05 *Free Discussion*

Workshop 3: Numerical Methods for Wave Propagation

Organizers: Peijun Li (Purdue University), Weiyang Zheng (Chinese Academy of Sciences)

16 Dec 2013, Monday

Chair: Peijun Li **[M104]**

11:10-11:50 **Ya Yan Lu** (City University of Hong Kong, Hong Kong)
Vertical Mode Expansion Method for Some Three-Dimensional Scattering Problems

11:50-12:30 **Faouzi Triki** (University of Grenoble, France)
Stability Estimates for Multi-wave Inverse Problems

Chair: Weiyang Zheng **[M104]**

13:40-14:20 **Jijun Liu** (Southeast University, China)
Inverse Scattering Problems: the Effect of Boundary Impedance

14:20-15:00 **Hongyu Liu** (University of North Carolina, United States)
Inverse Elastic Scattering for Multiscale Rigid Bodies with a Single Far-field Measurement

15:00-15:40 **Jingzhi Li** (South University of Science and Technology of China, China)
Locating Multiscale Ground Objects by a Single Electromagnetic Measurement

Chair: Jijun Liu **[M104]**

16:00-16:40 **Huoyuan Duan** (Nankai University, China)
Fortin Interpolation of Piecewise Non-H1 Space Solution, Edge Element and Adaptive Algorithm of Double Curl Problem with Divergence Free Constraint

16:40-16:55 **Changhui Yao** (Zhengzhou University, China)
Nonconforming Finite Element Methods for Maxwell's Equations

16:55-17:10 **Meiling Zhao** (North China Electric Power University, China)
A Study of Meshless Local Petrov-Galerkin Methods for Scattering by Open Cavities

17:10-17:25 **Jinfeng Jiang** (University of Science and Technology of China, China)
A Dissipation-rate Reserving DG Method for Wave Catching-up Phenomena in a Nonlinearly Elastic Composite Bar

17:25-17:40 **Tao Min** (Xi'an University of Technology, China)
Numerical Simulation and Parameter Identification of One-Dimensional Hyperbolic Telegraph Equation

17 Dec 2013, Tuesday

Chair: Hongyu Liu **[M104]**

10:40-11:20 **Bo Zhang** (Chinese Academy of Sciences, China)
An FFT-based Algorithm for Efficient Computation of Quasi-periodic Green's Functions for the Helmholtz and Maxwell's Equations

11:20-12:00 **Lilian Wang** (Nanyang Technological University, Singapore)
Fast and Accurate High-order Methods for Wave Scattering Problems

12:00-12:40 **Chunxiong Zheng** (Tsinghua University, China)
Optimal Error Estimates for Gaussian Beam Approximation to the Schrodinger Equation

Chair: Bo Zhang **[M104]**

13:40-14:20 **Haijun Wu** (Nanjing University, China)
Pre-asymptotic Error Analysis of Higher Order FEM and CIP-FEM for the Helmholtz Equation with High Wave Number

14:20-15:00 **Weiyang Zheng** (Chinese Academy of Sciences, China)
Discontinuous Galerkin Method for Ideal MHD Equations on Tetrahedral Meshes

15:00-15:40 **Shipeng Mao** (Chinese Academy of Sciences, China)
A Posteriori Error Estimates of Finite Element Approximations of the Incompressible Magnetohydrodynamic Equations

Chair: Lilian Wang **[M104]**

16:00-16:40 **Jiguang Sun** (Michigan Technological University, United States)
A GPU-based Recursive Eigen-solver for Transmission Eigenvalues

16:40-17:20 **Xia Ji** (Chinese Academy of Sciences, China)
A Multi-level Method for Transmission Eigenvalues of Anisotropic Media

17:20-18:00 **Guanghui Hu** (University of Macau, Macau)
Real-Time Finite Element Solution of Time-Dependent Kohn-Sham Equation

18 Dec 2013, Wednesday

Chair: Jiguang Sun

[M104]

10:40-11:20 **Aihua Wood** (Air Force Institute of Technology, United States)
A Distributional Monte Carlo Method for the Boltzmann Equation

11:20-12:00 **Liwei Xu** (Chongqing University, China)
Variational Methods for the Fluid-Structure Interaction Problem

12:00-12:40 **Peijun Li** (Purdue University, United States)
Near-Field Imaging of Rough Surfaces

Chair: Peijun Li & Weiying Zheng

[M104]

13:40-15:40 *Free Discussion*