

Schedule of The 8th Young Scholar Symposium

East Asia Section of Inverse Problems International Association

https://easipia.github.io/website/index8thyss.html?The_Eighth_Young_Scholar_Symposium

November 15 Whole day		
Registration (Meinian 21 Degree International Hotel)		
18:30-20:30	Dinner: Meinian 21 Degree International Hotel	
November 16 Morning Session		
School Math. & Stat. Building, Room 245		
Time	Activity	Chair
08:30-08:40	Opening ceremony	Youjun Deng
08:40-08:45	Conference photo	
08:45-09:30	Analysis on anisotropic spring-dashpot models and their Boltzmann type viscoelastic systems Gen Nakamura (Hokkaido University)	
Coffee/tea break		
10:00-10:30	Optical inversion using plasmonic contrast agents Xinlin Cao (The Hong Kong Polytechnic University)	Yikan Liu
10:30-11:00	Surface vector field decomposition and topological characterization of codimensions Shota Fukushima (Chiba Institute of Technology)	
11:00-11:30	Sediment measurement: an inverse problem formulation Lingyun Qiu (Tsinghua University)	
11:30-12:00	Second-order dynamics, an old bottle of new wine Guozhi Dong (Central South University)	
Lunch: Meinian 21 International Degree Hotel		

November 16 Afternoon Session		
School Math. & Stat. Building, Room 245		
Time	Activity	Chair
14:00- 14:30	Finiteness of the stress in presence of closely located inclusions with imperfect bonding Yong-Gwan Ji (Korea Institute for Advanced Study)	Mikyoung Lim
14:30- 15:00	Sampling-type imaging methods for inverse scattering problem in various measurement configurations Sangwoo Kang (Pusan National University)	
15:00- 15:30	The effective construction on elastic metamaterials Hongjie Li (Tsinghua University)	
15:30- 16:00	A mathematical theory of computational resolution limit and super-resolution Ping Liu (Zhejiang University)	
Coffee/tea break		
16:30- 17:00	Inverse source problem in a nonlocal traffic flow model for network trip flows Kuang Huang (The Chinese University of Hong Kong)	Xiaodong Liu
17:00- 17:30	Inverse random potential scattering for the polyharmonic wave equation: far-field patterns Jianliang Li (Hunan Normal University)	
17:30- 18:00	Novel sampling methods for acoustic sources from multi-frequency far field patterns at sparse observation directions Qingxiang Shi (Tsinghua University)	
Banquet: Wen Yi Fan Restaurant		

November 17 Morning Session		
School Math. & Stat. Building, Room 245		
Time	Activity	Chair
08:30-09:15	Inverse problem for large population dynamics Hongyu Liu (City University of Hong Kong)	Hai Zhang
09:15-09:45	Deep learning approaches for solving forward and inverse problems in partial differential equations Jaeyong Lee (Chung-Ang University)	
Coffee/tea break		
10:00-10:30	Exploiting low-dimensional data structures by deep neural networks with applications in operator learning Hao Liu (Hong Kong Baptist University)	Bangti Jin
10:30-11:00	Scalable iterative data-adaptive RKHS regularization Haibo Li (The University of Melbourne)	
11:00-11:30	Lipschitz stability for Cauchy problems of elliptic equations and applications to evolution equations Hiroshi Takase (Kyushu University)	
11:30-12:00	High-order convergent finite element methods for linear elasticity problems with close-to-touching inclusions Yonglin Li (Wuhan University)	
12:00-12:15	Best presentation award announcement & closing	
Lunch: Meinian 21 Degree International Hotel		
November 17 Afternoon		
Free discussion		
Departure		