2024 Conference on Control, Inversion and Numerics for PDEs

Schedule

Monday Oct. 7	
10:00—18:00	Registration at Shanghai Pagoda Jun Ting Hotel（上海君亭设计酒店）

Tuesday Oct. 8	Main-venue: Room 2201, 22nd floor, Guanghua East Main Building （光华楼东主楼 2201 室） Sub-venue: Room 2001, 20th floor, Guanghua East Main Building （光华楼东主楼 2001 室）	
8:50-9:10	Opening ceremony	
9:10-9:15	Group photo	
9:15-10:00	Speaker: Weinan E Title: Towards an Understanding of the Principles behind Deep Learning	Chairman: Enrique Zuazua
10:00-10:45	Speaker: Gunther Uhlmann Title: Inverse Problems in Anisotropic Media	
10:45-11:00	Tea break and poster exhibition	
11:00-11:45	Speaker: Enrique Zuazua Title: Data Representation by Neural Networks: A Control Perspective	Chairman: Zhen Lei
12:00-14:30	Lunch	
14:30-15:15	Speaker: Shanjian Tang Title: Viscosity Solution of Second-Order Path-dependent HJB Equation in Hilbert Spaces	Chairman: Pengfei Yao
15:15-16:00	Speaker: Yuehong Qian Title: Alternative Approach to Solving some Special PDEs	
16:00-16:15	Tea break and poster exhibition	
16:15-17:00	Speaker: Pengfei Yao Title: Geometrical Rigidity of Elastic Shells	Chairman: Shanjian Tang
17:00-17:45	Speaker: Qiong Zhang Title: Stability Analysis of an Abstract System with Local Damping	
18:00	Dinner	

Wednesday Oct. 9	Room 2201, 22nd floor, Guanghua East Main Building（光华楼东主楼 2201 室）	
9:15-10:00	Speaker: Shi Jin Title: Dimension Liftings for Quantum Computation of Partial Differential Equations and Related Problems	Chairman: Jin Cheng
10:00-10:45	Speaker: Xiaoming Yuan Title: Revisiting First-order Algorithms for Optimization Problems in Industry	
10:45-11:00	Tea break and poster exhibition	
11:00-11:45	Speaker: Jin Cheng Title: Runge Approximation and Learning based Numerical Methods for Lame Equations	Chairman: Shi Jin
12:00-14:30	Lunch	
14:30-15:15	Speaker: Qianxiao Li Title: Learning, Approximation and Control	Chairman: Shuangjian Zhang
15:15-16:00	Speaker: Zhiqiang Wang Title: Stabilization of 1-D Wave Equation with Rational Time Delays	
16:00-16:15	Tea break and poster exhibition	
16:15-17:00	Speaker: Shuangjian Zhang Title: Characterization of the Monopolist's Profit-Maximization Problem as a Free-Boundary Problem	Chairman: Zhiqiang Wang
17:30	Dinner	

Thursday Oct. 10	Room 2201, 22nd floor, Guanghua East Building（光华楼东主楼 2201 室）	
9:15-10:00	Speaker: Xu Zhang Title: PDE Approach in Infinite-Dimensional Complex Analysis	Chairman: Jian Zhai
10:00-10:45	Speaker: Günter Leugering & Yue Wang Title: Exact Boundary Controllability of a Timoshenko Beam	
10:45-11:00	Tea break and poster exhibition	
11:00-11:45	Speaker: Jian Zhai Title: Inverting the Local Transverse and Mixed Ray Transforms	Chairman: Günter Leugering
12:00-14:30	Lunch	
14:30-16:00	Free discussion	