

Workshop on Inverse Problems for PDEs

Avenue: LT9, Yasumoto International Academic Park

Schedule for June 13

Time	Speaker	Title	Chair
8:55 – 9:00	Open remark		
9:00 - 9:40	Faouzi Trik	On optimal stability estimates for the multi-frequency inverse source problem	Bangti Jin
9:40 - 10:20	Peijun Li	Stability for inverse random source problems	
10:20-10:50	Coffee break		
10:50 -11:30	Guanghui Hu	Time-domain and frequency-domain methods to inverse moving point source problems	Yavar Kian
11:30-12:10	Haibing Wang	Inverse problems for diffusion equations	
12:15-14:00	Lunch at Chung Chi Staff Canteen		
14:00-14:40	Shuai Lu	Interpolation and inverse problems in spectral Barron spaces	Peijun Li
14:40-15:20	Mikyong Lim	Designing neutral inclusions by imperfect interfaces	
15:20-16:00	Guozhi Dong	Learning based regularization in quantitative MRI	
16:00-16:30	Coffee break		
16:30-17:10	Xiang Xu	Recent stability results for inverse potential problems	Shuai Lu
17:10-17:50	Ye Zhang	Internal layer solutions and coefficient recovery in time-periodic reaction-diffusion-advection equations	
18:30-20:00	Banquet at Sai Kung		

Schedule for June 14

Time	Speaker	Title	Chair
9:00 - 9:40	John Schotland	Nonlocal PDEs and quantum optics	Hai Zhang
9:40 -10:20	Ting Zhou	Inverse problems for non-linear fractional magnetic Schrodinger equations	
10:20-10:50	Coffee break		
10:50-11:30	Hongyu Liu	Pattern formations of coupled PDEs with transparent boundary conditions and applications	Guanghui Hu
11:30-12:10	Xinlin Cao	Electromagnetic waves generated by a hybrid dielectric-plasmonic dimer	
12:15-14:00	Lunch at Chung Chi College Staff Canteen		
14:00-14:40	Hai Zhang	A theory of computational resolution limit for GMMs	Hongyu Liu
14:40-15:20	Pu-Zhao Kow	Stability of linear inverse problems: a singular value decomposition approach	
15:20-15:50	Coffee break		
15:50-16:30	Zhi Zhou	Error analysis for the numerical reconstruction of conductivity in elliptic equations	Faouzi Triki
16:30-17:10	Bowen Li	Lifting quantum Markov dynamics to speed up mixing	
17:10-18:00	Free discussions		
18:00-20:00	Dinner at Chung Chi College Staff Canteen		