Conference on Control, Inversion and Numerics for PDEs

OCTOBER 7 – 10, 2024
SHANGHAI
CIN-PDE 2024

PROGRAM

	MONDAY October 7	TUESDAY October 8	WEDNESDAY October 9	THURSDAY October 10
08:50 - 09:10		**Opening ceremony** Welcome speeches by Tatsien Li, Enrique Zuazua, Zhen Lei, Günter Leugering		
09:10 - 09:15		**Group Photo**		
09:15 - 10:00		**Weinan E** Towards an understanding of the fundamental principles behind deep learning	**Shi Jin** Dimension liftings for quantum computation of partial differential equations and related problems	**Xu Zhang** PDE approach in infinite-dimensional complex analysis
10.00 - 10:45	Registration	**Gunther Uhlmann** Nonlocality Helps	**Xiaoming Yuan** TBA	**Bo Zhang** A Rellich type theorem with limited apertures for the Helmholtz equation in a two-layered medium
10:45 - 11:00	Registration	*Tea break*	*Tea break*	*Tea break*
11:00 - 11:45	Registration	**Enrique Zuazua** Data Representation by Neural Networks: A control perspective	**Jin Cheng** Runge Approximation and Learning based Numerical Methods for Lame Equations	**Yuehong Qian** TBA
11:45 - 12:30	Registration	**Gang Bao** TBA	**Günter Leugering • Yue Wang** Exact boundary controllability of a degenerated Timoshenko beam	**Jian Zhai** Inverting the local transverse and mixed ray transforms
12:30 - 14:30	Registration	*Lunch & rest*	*Lunch & rest*	*Lunch & rest*
14:30 - 15:15	Registration	**Shanjian Tang** Viscosity solution of second-order path-dependent HJB equation in Hilbert spaces	**Qianxiao Li** Learning approximation and control	**Poster Session and Academic Discussions** (14:30H - 16:00H)
15:15 - 16:00	Registration	**Hannes Meinlschmidt** TBA	**Zhiqiang Wang** Stabilization of 1-D wave equation with rational time delays	
16:00 - 16:15	**Indoor round-table meeting** (16:00H - 18:00H) · Sino-German project members · Organization committee · Scientific committee · Distinguished guests	*Tea break*	*Tea break*	
16:15 - 17:00		**Pengfei Yao** Geometrical Rigidity of Elastic Shells	**Shuangjian Zhang** Characterization of the profit-maximization problem	
17:00 - 17:45		**Qiong Zhang** Stability analysis of an abstract system with local damping	**Ran Zhang** The weak Galerkin finite element method for elliptic eigenvalue problems	
18:00	*Dinner*	*Dinner*	*Dinner*	

WHERE

Fudan University
Guanghua East-Main-Building 2201 (22nd Floor) Handan Road 220 Shanghai China, 200437.
会场：复旦大学光华楼东主楼22楼 2201室，复旦大学邯郸校区，邯郸路22号，上海。

SCIENTIFIC COMMITTEE

· **Enrique Zuazua**. FAU (Germany)
· **Günter Leugering.** FAU (Germany)
· **Tatsien Li**. Fudan (Shanghai, China)
· **Zhen Lei**. Fudan (Shanghai, China)

ORGANIZING COMMITTEE

· **Yue Wang**. FAU (Germany)
· **Peng Qu**. Fudan (Shanghai, China)
· **Qi Lü**. Sichuan University (China)

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