

Conference Program

会议地点：上大路亚朵酒店会议厅

Conference Hall, Atour Hotel, Shangda Road, Shanghai

27 March 2026			
14:00-18:00	Registration		
28 March 2026			
Time	Content		Chair
8:30-8:40	Opening Ceremony		Dongjie Liu
8:40-9:00	Group photo		
9:00-9:30	Dongwoo Sheen	Sharp norm equivalence of mass lumping in Q_1 element in any high dimension	Yunqing Huang
9:30-10:00	Zhiqiang Cai	Neural networks in scientific computing (SciML): basics and challenging questions	
10:00-10:20	Coffee break		
10:20-10:50	Carsten Carstensen	Localisation of symmetric PDE eigenvalues	Ziqing Xie
10:50-11:20	Jun Hu	A direct finite element method for elliptic interface problems	
11:20-11:50	Buyang Li	Finite element methods for isometric embedding of Riemannian manifolds	
12:00-14:00	Lunch		
14:00-14:30	Zhenli Xu	Sum-of-Gaussians tensor neural networks for high-dimensional Schrödinger equation	Jun Hu
14:30-15:00	Yan Xu	An efficient discontinuous Galerkin framework with exponential bases for all-electron Kohn-Sham equation	
15:00-15:30	Xiaoping Xie	Stability analysis of monolithic globally divergence-free ALE-HDG methods for fluid-structure interaction	
15:30-15:50	Coffee break		
15:50-16:20	Jianguo Huang	A robust C^0 interior penalty method for a GEKP model	Wenjun Ying
16:20-16:50	Chaoyu Quan	Stability and convergence of multi-product expansion splitting methods for semilinear parabolic problems	
16:50-17:20	Zhaonan Dong	A posteriori error analysis and adaptivity of a space-time finite element method for the wave equation in second order formulation	
17:50-20:00	Dinner		

29 March 2026			
Time	Content		Chair
9:00-9:30	Xuejun Xu	Interior eigensolvers with domain decomposition	Carsten Carstensen
9:30-10:00	Rui Ma	Adaptive least square methods for non-selfadjoint indefinite second-order problems	
10:00-10:30	Wei Wang	Disorder upon Fractals	
10:30-10:50	Coffee break		
10:50-11:20	Haiyan Su	A dual-robust divergence-free, decoupled, linear and unconditionally stable mixed finite element scheme for MHD model with vorticity formulation	Dongjie Liu
11:20-11:50	Qifeng Liao	A high-dimensional density estimation method and its application for solving PDEs	
11:50-12:20	Lara Théallier	Nonconforming approximation of Ginzburg-Landau-type semilinearities	
12:20-14:00	Lunch		
14:00-18:00	Free discussion		