

Schedule

Time(日期)	Monday (Jan. 20)	Tuesday (Jan. 21)	Wednesday (Jan. 22)	Thursday (Jan. 23)	Friday (Jan. 24)
7:30-8:30	Breakfast				
8:30-9:00	Opening Ceremony				
Chair	Jun Zou	Stefan A. Sauter	Ivan G. Graham	Haijun Wu	Euan A. Spence
9:00-9:50	Jens Markus Melenk	Robert Scheichl	Euan A. Spence	Kees Vuik	Stefan A. Sauter
9:50-10:20	Coffee Break				
10:20-11:10	Haijun Wu	Daniel Peterseim	Chupeng Ma	Jizu Huang	Stephen Langdon
11:10-12:00	Andrea Moiola	Guanglian Li	Peipei Lu and Bowen Zheng	Jun Lai	Ralf Hiptmair
12:00-14:30	Lunch				
Chair	Zhiming Chen	Ralf Hiptmair	Free Discussion	Chair	Daniel Peterseim
14:30-15:20	Wangtao Lu	Carlos Jerez-Hanckes		14:30-15:00	Hui Zhang
15:20-16:10	David Lafontaine	Shihua Gong		15:00-15:30	Niall Bootland
16:10-16:40	Coffee Break			15:30-16:00	Coffee Break
				16:00-16:30	Yu Yi
16:40-17:30	Yonglin Li	Christophe Geuzaine		16:30-17:00	Shaoliang Hu
				17:00-17:30	Free Discussion
17:30-19:00	Group Dinner	Dinner	Banquet (Conifer Resort)	17:30-19:00	Dinner

January 20, 2025, Monday

Time(日期)	Name(报告人)	Title(报告题目)
7:30-8:30	Breakfast	
8:30-9:00	Opening Ceremony & Group Photo	
9:00-9:50	Jens Markus Melenk	Mortar coupling of hp -FEM and hp -BEM for the Helmholtz equation
9:50-10:20	Coffee Break	
10:20-11:10	Haijun Wu(武海军)	Preasymptotic analyses of FEM and CIP-FEM for the Helmholtz equation with large wave number
11:10-12:00	Andrea Moiola	Stable approximation of Helmholtz solution with evanescent plane waves
12:00-14:00	Lunch	
14:30-15:20	Wangtao Lu(鲁汪涛)	Does PML exponentially absorb outgoing waves scattering from a periodic surface?
15:20-16:10	David Lafontaine	Convergence of overlapping domain decomposition methods with PML transmission conditions applied to nontrapping Helmholtz problems
16:10-16:40	Coffee Break	
16:40-17:30	Yonglin Li(李勇霖)	Wave-number-explicit analysis for time-harmonic wave equations with Dirichlet-to-Neumann truncation
17:30-19:00	Group Dinner	

January 21, 2025, Tuesday

Time(日期)	Name(报告人)	Title(报告题目)
7:30-8:30	Breakfast	
9:00-9:50	Robert Scheichl	An efficient multiscale generalised FEM for high-frequency wave propagation in heterogeneous media
9:50-10:20	Coffee Break	
10:20-11:10	Daniel Peterseim	Localized orthogonal decompositions for high-frequency Helmholtz problems
11:10-12:00	Guanglian Li(李光莲)	Numerical homogenization for time-harmonic Maxwell equations in heterogeneous media with large wavenumber
12:00-14:00	Lunch	
14:30-15:20	Carlos Jerez-Hanckes	Finite element approximations for Maxwell variational problems on curved domains: domain and quadrature effects
15:20-16:10	Shihua Gong(龚世华)	Some convergence results for RAS-Imp and RAS-PML for the Helmholtz equation
16:10-16:40	Coffee Break	
16:40-17:30	Christophe Geuzaine	Substructured non-overlapping DDM vs. ORAS for large scale Helmholtz problems with multiple sources
17:30-19:00	Dinner	

January 22, 2025, Wednesday

Time(日期)	Name(报告人)	Title(报告题目)
7:30-8:30	Breakfast	
9:00-9:50	Euan A. Spence	On the theory of two-level hybrid Schwarz preconditioners for the high-frequency Helmholtz equation
9:50-10:20	Coffee Break	
10:20-11:10	Chupeng Ma(马楚鹏)	A two-level RAS preconditioner based on multiscale spectral generalized FEM for heterogeneous Helmholtz problems
11:10-12:00	Peipei Lu (卢培培) and Bowen Zheng (郑博文)	Two-level hybrid Schwarz methods for Helmholtz equation with high wavenumber
12:00-14:00	Lunch	
Free Discussion		
17:30-19:00	Banquet (Sanya Conifer Resort)	

January 23, 2025, Thursday

Time(日期)	Name(报告人)	Title(报告题目)
7:30-8:30	Breakfast	
9:00-9:50	Kees Vuik	Resolving divergence: the first multigrid scheme for the highly indefinite Helmholtz equation using classical components
9:50-10:20	Coffee Break	
10:20-11:10	Jizu Huang(黄记祖)	Frequency-adaptive multi-scale deep neural networks
11:10-12:00	Jun Lai(赖俊)	Fast algorithms for wave scattering and inverse scattering based on boundary integral equations
12:00-14:00	Lunch	
14:30-15:00	Hui Zhang(张辉)	Fourier analysis of finite difference methods for the Helmholtz equation
15:00-15:30	Niall Bootland	High-frequency time-harmonic waves, directional sweeping and multipreconditioning
15:30-16:00	Coffee Break	
16:00-17:30	Yi Yu(于毅)	Adaptive nonoverlapping preconditioners for the Helmholtz equation
16:30-17:00	Shaoliang Hu(胡少亮)	Fast solver for large-scale time-harmonic Maxwell's equations in SiP applications
17:00-17:30	Free Discussion	
17:30-19:00	Dinner	

January 24, 2025, Friday

Time(日期)	Name(报告人)	Title(报告题目)
7:30-8:30	Breakfast	
9:00-9:50	Stefan A. Sauter	The acoustic half space Green's function with impedance boundary condition in d spatial dimensions: Fast evaluation and numerical quadrature
9:50-10:20	Coffee Break	
10:20-11:10	Stephen Langdon	Hybrid numerical-asymptotic boundary element methods for high frequency scattering by multiple screens
11:10-12:00	Ralf Hiptmair	Preconditioning the EFIE on Screens
12:00-14:00	Lunch	
Free Discussion		
17:30-19:00	Dinner	