

Conference schedule

Date	Matter	Location
May 19 (Sunday)	Registration 9:00-20:00	Lobby of Hengshan Park Hotel Lunch 12:00 (Camellia Pavilion, 茶花轩) Dinner 18:00 (Camellia Pavilion, 茶花轩)
May 20 (Monday)	Registration 7:30-8:00	Lobby of Hengshan Park Hotel
	Opening Ceremony, Group Photo, Talk	Opening Ceremony, Talk: Yulan Pavilion (玉兰轩) Group Photo: Entrance of the hotel hall
May 21 (Tuesday)	Talk	Yulan Pavilion (玉兰轩)
May 22 (Wednesday)	Talk (Morning)	Yulan Pavilion (玉兰轩)
	Free Discussion (Afternoon)	
May 23 (Thursday)	Talk	Morning, Yulan Pavilion (玉兰轩)
		Afternoon, Session 1: Shanghai Hall (上海厅)
		Afternoon, Session 2: Baoshan Hall (宝山厅)
May 24 (Friday)	Talk	Yulan Pavilion (玉兰轩)
May 25 Saturday	Departure	

Program

(Morning of May 20, Monday)

Opening Ceremony		Chair: Honglian Zhang
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
8:30-9:10	1. Welcome speech by Professor Danhong Cheng, Chairperson of the University Council of Shanghai University 2. Introduction of the Mathematics discipline by Professor Dongsong Zhang, Executive Vice Dean of College of Sciences, Shanghai University 3. Speech by Academician Weiping Zhang 4. Speech by Professor Armen Sergeev 5. Speech by Academician Xiangdong Ye 6. Speech by Academician Xiangyu Zhou	
9:10-9:30	Group Photo At the entrance of the hotel hall of the Hengshan Park Hotel	
Plenary talks		Chair: Xiangyu Zhou
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
9:30-10:20	Weiping Zhang (Nankai University)	Deformations of Dirac operators
10:20-10:40	Tea Break	
10:40-11:30	Armen Sergeev (Steklov Mathematical Institute of Russian Academy of Sciences)	Quantization of the Theory of Topological Insulators
11:30-13:00	Lunch (Lobby Western Restaurant, 大堂西餐厅)	

Program

(Afternoon of May 20, Monday)

Plenary talks		Chair: Weiping Zhang
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
14:00-14:50	Ngaiming Mok (The University of Hong Kong)	From holomorphic isometries to functional transcendence results for quotients of bounded symmetric domains by cocompact lattices
14:55-15:45	Denis Osipov (Steklov Mathematical Institute of Russian Academy of Sciences, National Research University Higher School of Economics, National University of Science and Technology MISIS)	Bott cocycle and Riemann-Roch theorem
15:45-16:05	Tea Break	
Plenary talks		Chair: Armen Sergeev
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
16:05-16:55	Tuen Wai Ng (The University of Hong Kong)	Fridman Function, Injectivity Radius Function and Squeezing Function
18:00-20:00	Banquet (Lily Hall, 百合厅)	

Program

(Morning of May 21, Tuesday)

Plenary talks		Chair: Ye Tian
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
9:30-10:20	Alexander Aptekarev (Keldysh Institute of Applied Mathematics of Russian Academy of Sciences, Lomonosov Moscow State University)	Laplacian growth, normal random matrices and multiple orthogonal polynomials
10:20-10:40	Tea Break	
10:40-11:30	Xiangdong Ye (University of Science and Technology of China)	Recurrence and its applications
11:30-13:00	Lunch (Lobby Western Restaurant, 大堂西餐厅)	

Program

(Afternoon of May 21, Tuesday)

Plenary talks		Chair: Ngaiming Mok
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
14:00-14:50	Jixiang Fu (Fudan University)	The LYZ equation
14:55-15:45	Roman Bessonov (St.-Petersburg State University)	Discrete NLSE and Schur's algorithm for analytic functions
15:45-16:05	Tea Break	
Plenary talks		Chair: Xiangdong Ye
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
16:05-16:55	Jinsong Liu (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Riesz conjugate function theorem for harmonic quasiconformal mappings
17:00-18:30	Dinner (Lobby Western Restaurant, 大堂西餐厅)	

Program

(Morning of May 22, Wednesday)

Plenary talks		Chair: Andrey Shafarevich
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
9:30-10:20	Ye Tian (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Distribution on achiral manifolds
10:25-11:15	Vladimir Popov (Steklov Mathematical Institute of Russian Academy of Sciences)	Around the cancellation problems in algebraic geometry
11:15-11:35	Tea Break	
Plenary talks		Chair: Tuen Wai Ng
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
11:35-12:25	Nikolay Kruzhilin (Steklov Mathematical Institute of Russian Academy of Sciences)	Fundamental theorem of projective geometry and its complex-geometric applications
12:30-13:30	Lunch (Lobby Western Restaurant, 大堂西餐厅)	

Program

(Afternoon of May 22, Wednesday)

Free discussion	
14:00-18:00	Free discussion
18:00-20:00	Dinner (Lobby Western Restaurant, 大堂西餐厅)

Program

(Morning of May 23, Thursday)

Plenary talks		Chair: Alexander Aptekarev
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
9:30-10:20	Vladimir Peller (St.-Petersburg Department of Steklov Mathematical Institute of Russian Academy of Sciences)	The behaviour of functions of operators under relatively bounded and relatively trace class perturbations
10:20-10:40	Tea Break	
10:40-11:30	Andrei Bogatyrev (Marchuk Institute of Computational Mathematics of Russian Academy of Sciences, Lomonosov Moscow State University, Moscow Center for Fundamental and Applied Mathematics)	Chebyshev Ansatz for multiband filtering: a review
11:30-13:00	Lunch (Lobby Western Restaurant, 大堂西餐厅)	

Program
Parallel Sessions. Session one
(Afternoon of May 23, Thursday)

Talks			Chair: Nikolay Kruzhilin		
Shanghai Hall, Hengshan Park Hotel (衡山北郊宾馆上海厅)					
14:00-14:30	Alexander Zheglov (Lomonosov Moscow State University)	Normal forms for ordinary differential operators			
14:35-15:05	Liming Sun (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Attainability of the best constant of Hardy-Sobolev inequalities with full boundary singularities			
15:10-15:40	Dmitri Bykov (Steklov Mathematical Institute and Institute for Theoretical and Mathematical Physics (Moscow State University))	The deformed CP^1 sigma model in Gross-Neveu formalism			
15:40-16:00	Tea Break				
Talks			Chair: Andrei Domrin		
Shanghai Hall, Hengshan Park Hotel (衡山北郊宾馆上海厅)					
16:00-16:30	Daxin Xu (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Exponential sums, differential equations and geometric Langlands correspondence			
16:35-17:05	Pavel Mozolyako (St.-Petersburg State University)	Hardy embeddings and Potential Theory on graphs			
17:10-17:40	Hangyang Meng (Shanghai University)	Coset complexes in finite groups			
18:00-20:00	Dinner (Lobby Western Restaurant, 大堂西餐厅)				

Program
Parallel Sessions. Session two
(Afternoon of May 23, Thursday)

Talks			Chair: Vladimir Peller		
Baoshan Hall, Hengshan Park Hotel (衡山北郊宾馆宝山厅)					
14:00-14:30	Konstantin Fedorovskiy (Lomonosov Moscow State University)	C ^m -approximation of functions by solutions of second-order homogeneous elliptic equations on compact sets in R ⁿ			
14:35-15:05	Wenhao Ou (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Orbifold modification of complex analytic varieties			
15:10-15:40	Vladimir Lysov (Keldysh Institute of Applied Mathematics of Russian Academy of Sciences)	Classical properties of polynomials satisfying new interpolation conditions			
15:40-16:00	Tea Break				
Talks			Chair: Andrei Bogatyrev		
Baoshan Hall, Hengshan Park Hotel (衡山北郊宾馆宝山厅)					
16:00-16:30	Aleksandr Komlov (Steklov Mathematical Institute of Russian Academy of Sciences)	The polynomial Hermite-Padé m-system and reconstruction of values of an algebraic function			
16:35-17:05	Dongmeng Xi (Shanghai University)	Chord measures in Integral Geometry and their Minkowski problems			
17:10-17:40	Mikhail Korobkov (Fudan University)	On Ladyzhenskaya-Leray's Problem for a Flow of a Viscous Incompressible Fluid in a System of Channels			
18:00-20:00	Dinner (Lobby Western Restaurant, 大堂西餐厅)				

Program

(Morning of May 24, Friday)

Plenary talks		Chair: Vladimir Popov
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
9:30-10:20	Yury Prokhorov (Steklov Mathematical Institute of Russian Academy of Sciences, National Research University Higher School of Economics, Lomonosov Moscow State University)	Rationality problems in the higher- dimensional algebraic geometry
10:20-10:40	Tea Break	
10:40-11:30	Yifei Chen (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Jordan property of automorphism groups of surfaces of positive characteristic
11:30-13:00	Lunch (Lobby Western Restaurant, 大堂西餐厅)	

Program

(Afternoon of May 24, Friday)

Plenary talks		Chair: Yury Prokhorov
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
14:00-14:50	Andrei Zotov (Steklov Mathematical Institute of Russian Academy of Sciences)	Integrable tops and 1+1 field theories via solutions of associative Yang-Baxter equation
14:55-15:45	Andrei Domrin (Lomonosov Moscow State University)	Compatible equations and meromorphic extension
15:45-16:05	Tea Break	
Plenary talks		Chair: Xiangyu Zhou
Yulan Pavilion, Hengshan Park Hotel (衡山北郊宾馆玉兰轩)		
16:05-16:55	Andrey Shafarevich (Lomonosov Moscow State University, Steklov Mathematical Institute of Russian Academy of Sciences)	Geometric asymptotic solutions of strictly hyperbolic systems with abruptly varying coefficients
17:00-17:50	Ping Zhang (Academy of Mathematics and Systems Science, Chinese Academy of Sciences)	Global stability of large Fourier mode for 3-D anisotropic Navier-Stokes equations in cylindrical domain
17:50-18:00	Closing ceremony	
18:10-20:00	Dinner (Lobby Western Restaurant, 大堂西餐厅)	