



DECEMBER 17-21, 2022, SOCHI (SIRIUS)

INTERNATIONAL WORKSHOP ON OPERATOR THEORY AND HARMONIC ANALYSIS

OTHA FALL 2023 <https://otha.sfedu.ru/workshop-otha-fall-2023>, otha.conference@gmail.com

SCIENTIFIC PROGRAMM & SCHEDULE OF EVENTS

MONDAY 18.12.2023 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1, Conference Room №1E.			
10:00-13:20	Plenary Session (Conference Room №1E)		
10:00-10:45	Shiryaev Albert	On theories of decision making under risk and uncertainty (and on paradoxes, capacities, Choque integrals and inverse stochastic differential equations)	Chairman – Karapetyants Alexey
10:50-11:20	Sergeev Armen	Complex geometry of universal Teichmüller space	
11:25-11:55	Kravchenko Vladislav	Recovery of complex potentials in 1-D inverse problems	
11:55-12:15	Coffee break		
12:15-12:45	Karapetyants Alexey	Hadamard-Bergman operators in Lebesgue and Hölder spaces	Chairman – Sergeev Armen
12:50-13:20	Duduchava Roland	Convolutions on Lie groups and generic Bessel potential spaces	
13:20-14:20	Lunch («Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1).		
14:20-16:35	Plenary Session (Conference Room №1E)		
14:20-16:35	Plenary Session (Conference Room №1E)		
14:20-14:50	Mirotin Adolf	Criteria for analyticity of subordinate semigroups	Chairman – Shaposhnikova Tatiana
14:55-15:25	Karyakin Mikhail	Automated generation and analysis of nonlinear boundary value problems for the equilibrium and stability of highly elastic bodies	
15:30-16:00	Shaposhnikova Tatiana	Strange non-local operator homogenizing the Poisson equation with dynamical unilateral boundary conditions: symmetric and asymmetric particles of critical size	Chairman – Mirotin Adolf
16:05-16:35	Avsyankin Oleg	Two algebras generated by integral operators with homogeneous kernels	

TUESDAY 19.12.2023 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1, Conference Room №1E.			
10:00-13:05	Plenary Session (Conference Room №1E)		
10:00-10:30	Stepanov Vladimir	Strong and weak associated reflexivity of certain function classes	Chairman – Kusraev Anatoly
10:35-11:05	Turilova Ekaterina	Affiliated subspaces, states and structure of von Neumann algebras	
11:10-11:40	Khoury Suheil	Tailored integral operator: Green's function-based fixed point iterative methods for numerical solutions of BVPs	
11:40-12:00	Coffee break		
12:00-12:30	Kusraev Anatoly	From continuum problem to quantum mathematics	Chairman – Stepanov Vladimir
12:35-13:05	Ikromov Isroil	Estimates for oscillatory integrals with phase having D type singularities	
13:05-14:00	Lunch («Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1).		
14:00-16:15	Plenary Session (Conference Room №1E)		

14:00-16:15	Plenary Session (Conference Room №1E)		
14:00-14:30	Kamalyan Armen	On singular integral operators with reflection	Chairman – Kusraeva Zalina
14:35-15:05	Ushakova Elena	On one class of semi-orthogonal systems of localized spline wavelets and their applications to the study of properties of Riemann-Liouville operators	
15:10-15:40	Kusraeva Zalina	Approximation of positive homogeneous polynomials	Chairman – Ushakova Elena
15:45-16:15	Pavlov Igor	Interpolation properties of universal uniqueness for signed deflators	

WEDNESDAY 20.12.2023 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1.	
10:00-18:00	Excursion. A bus departs from the «Delta Sirius» hotel at 10:00.

OTHA workshops are part of the OTHA conference/workshops/seminars/editorial activities <https://otha.sfedu.ru/> , <http://msrn.sfedu.ru/>
Supported by the Regional Mathematical Center, project of the Ministry of Science and Higher Education of Russian Federation, agreement № 075-02-2023-924 dated 16.02.2023.