SCIENTIFIC PROGRAMM & SCHEDULE OF EVENTS

MONDAY 16.12.2024 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1, Conference Room №1E.			
10:00-13:20	**Plenary Session (Conference Room №1E)**		
10:00-10:30	Shkalikov Andrey	The problem of correct definition of differential operators with distributions coefficients	Chairman – Karapetyants Alexey
10:35-11:05	Bezrodnykh Sergey	The Jacobi-type identities for the Lauricella function and the Riemann-Hilbert problem	
11:10-11:40	Vsemirnov Maxim	Divisor sums, theta function and a hidden triality	
11:40-12:10		Coffee break	
12:10-12:40	Kusraev Anatoly	The Strassen disintegration theorem and around	Chairman – Shkalikov Andrey
12:45-13:15	Karapetyants Alexey	A general approach to the definition of grand spaces	

13:15-14:25	**Lunch («Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1).**
14:25-16:40	**Plenary Session (Conference Room №1E)**

14:25-16:40	**Plenary Session (Conference Room №1E)**		
14:25-14:55	León-Saavedra Fernando	On modulated convergence methods	Chairman – Turilova Ekaterina
15:00-15:30	Garcia-Pacheco Francisco Javier	Selected topics on geometry of Banach spaces	
15:35-16:05	Turilova Ekaterina	Quantum spectral symmetries	Chairman – León-Saavedra Fernando
16:10-16:40	Avsyankin Oleg	Some classes of integral operators in Morrey spaces	

TUESDAY 17.12.2024 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1, Conference Room №1E.			
10:00-13:05	**Plenary Session (Conference Room №1E)**		
10:00-10:30	Li Changpin	Ultraslow diffusion: analysis and computation	Chairman – Nazarov Alexander
10:35-11:05	Arsenović Miloš	Integration of functions with values in the space of complex measures	
11:10-11:40	Mirotin Adolf	On functions of the continuous Cesaro operator	
11:40-12:10		Coffee break	
12:10-12:40	Nazarov Alexander	Hardy type inequalities with general cylindrical-spherical weights	Chairman – Mirotin Adolf
12:45-13:15	Debbouche Amar	Dynamic behavior for mathematical models involving infectious diseases	
13:15-14:25	**Lunch («Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1).**		
14:25-16:40	**Plenary Session (Conference Room №1E)**		

14:25-16:40	**Plenary Session (Conference Room №1E)**		
14:25-14:55	Grudsky Sergey	Asymptotics of eigenvalues of Toeplitz matrices: non-self-adjoint case	Chairman – Kusraeva Zalina
15:00-15:30	Karyakin Mikhail	Finite strains of elastic shells containing isolated and continuously distributed defects	
15:35-16:05	Kusraeva Zalina	On analytical representation of homogeneous polynomials on spaces of measurable functions	Chairman – Grudsky Sergey
16:10-16:40	Khury Suheil	Adaptive spline collocation on nonuniform Shishkin-like meshes for singularly perturbed bvp's	

WEDNESDAY 18.12.2024 Location: «Delta Sirius» hotel, Sochi, Triumphalny Avenue, 1.	
10:00-18:30	**Excursion. A bus departs from the «Delta Sirius» hotel at 10:00.**

Invited speakers:

Shkalikov Andrey (Russia), Bezrodnykh Sergey (Russia), Vsemirnov Maxim (Russia), Kusraev Anatoly (Russia), Karapetyants Alexey (Russia), León-Saavedra Fernando (Spain), Garcia-Pacheco Francisco Javier (Spain), Turilova Ekaterina (Russia), Avsyankin Oleg (Russia), Li Changpin (China), Arsenović Miloš (Serbia), Mirotin Adolf (Belarus), Nazarov Alexander (Russia), Debbouche Amar (Algeria), Grudsky Sergey (Mexico), Karyakin Mikhail (Russia), Kusraeva Zalina (Russia), Khury Suheil (UAE)

Participants and members of the organizing committee:

Vasileva-Bagler Elena (Russia), Samko Dmitry (Russia), Andreeva Tatiana (Russia), Morales Evelyn (Ecuador), Lady Estefania Murcia Lozano (Mexico), Ali Raza (Pakistan), Saeed Abu Albasher (Palestine), Karapetyants Georgiy (Russia), Novikov Tikhon (Russia).

Cameraman:

Samko Dmitry (Russia)

All lectures will be videotaped and then uploaded on Internet.

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 № 075-02-2024-1427 dated 28.02.2024.

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Announcements and activities of the Regional Mathematical Center of the Southern Federal University (rmc.sfedu.ru, msrn.sfedu.ru, otha.sfedu.ru).