



## International Conference «OTHA Workshop Fall-2021», 13-17 December, 2021: Scientific Program

<b>TUESDAY 14.12.2021 Location: hotel "Don Quixote", 13th floor, Conference Hall</b>			
10:30 – 12:45	Session		
10:30 – 10:35	Opening ceremony		
10:35 – 11:15	García Pacheco F. J.	Representation Theory on topological modules	Chairman – Kravchenko Vladislav
11:15 – 11:55	León-Saavedra Fernando	Composition operators: extended eigenvalues, commutants, bicommutants and related issues	
12:05 – 12:45	Karapetyants Alexey	Hadamard-Bergman operators and generalized Holder spaces	
12:45 – 12:55	Conference Photo		
13:00 – 14:00	Lunch, "Don Quixote" hotel, 12 floor, restaurant		
14:00 – 17:30	Session		
14:00 – 14:40	Mirotin Adolf	Hausdorff operators over compact Abelian groups	Chairman – Avetisyan Zhirair
14:40 – 15:20	Vagharshakyan Armen	A Refinement of Carlson's theorem	
15:30 – 16:10	Vatulyan Alexander	Asymptotic method for crack problems investigation	
16:10 – 16:50	Soldatov Alexandre	To inverse scattering problem on the real axis	
16:50 – 17:30	Shishkina Elina	Analytical model and simulation for the random motion in arbitrary direction	
17:30 – 18:00	Free time		
18:00 – 20:00	Conference Dinner, "Don Quixote" hotel, 12 floor, Restaurant		
<b>WEDNESDAY 15.12.2021 Location: Main Administrative bld. SFedU, Bolshaya Sadovaya St. 105/42, Hall 1st floor</b>			
10:30 – 13:20	Session		
10:30 – 11:10	Hedenmalm Håkan	Soft Riemann-Hilbert problems and planar orthogonal polynomials	Chairman – Mirotin Adolf
11:10 – 11:50	Kravchenko Vladislav	Direct method for the inverse scattering problem on the line	
12:00 – 12:40	Muravnik Andrey	Half-space elliptic differential-difference problems with summable boundary data	
12:40 – 13:20	Avetisyan Zhirair	Homogeneous operators and homogeneous integral operators	
13:30 – 14:30	Lunch, Bellucci Restaurant, 122A, Bolshaya Sadovaya St.		
14:30 – 17:00	Session		
14:30 – 15:10	Avsyankin Oleg	Multiplicative discrete convolution operators	Chairman – Muravnik Andrey
15:10 – 15:50	Rokhlin Dmitry	Introduction to the signature transform and an application to time series prediction	
16:00 – 16:15	Tulenov Kanat	Optimal range for the Hilbert transform among Marcikiewicz spaces	
16:15 – 16:30	Yerkinbayev Nurlan	Boundary conjugation problems for piecewise-analytic functions in Besov spaces	
16:30 – 16:45	Gil Alexey	The integral operator with a homogeneous kernel in the function space $BMO^k$	
16.45 – 17.00	Presentation of the Journal "Journal of Mathematical Sciences" by Alexey Karapetyants and closure of the conference.		

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Conference online channel

<https://www.youtube.com/channel/UCNllc8UKr39kGld-HqoezSg>

## Participants

1. Andreeva Tatiana, Southern Federal University, Russia
2. Avetisyan Zhirair, Southern Federal University / University of California, Santa Barbara, Russia / USA
3. Avsyankin Oleg, Southern Federal University, Russia
4. Danelian Elena, Southern Federal University, Russia
5. De la Cruz Lianet, Southern Federal University / Holguin University, Russia /Cuba
6. Drobotov Yuri, Southern Federal University, Russia
7. García Pacheco Francisco Javier, Universidad de Cadiz, Spain
8. Gil Alexey, Southern Federal University, Russia
9. Hedenmalm Håkan, Royal Institute of Technology, Sweden
10. Hu Nicola, Padua's University / Southern Federal University, Italy / Russia
11. Irtakov Sebastian, Southern Federal University, Russia
12. Karapetyants Alexey, Southern Federal University, Russia
13. Kravchenko Vladislav, Southern Federal University / CINVESTAV, Russia / Mexico
14. Kryakvin Vadim, Southern Federal University, Russia
15. León-Saavedra Fernando, Universidad de Cadiz, Spain
16. Mirotin Adolf, Francisk Skorina Gomel state university, Belarus
17. Morales Evelin, Southern Federal University, Russia
18. Muravnik Andrey, JSC "Concern "Sozvezdie", Russia
19. Rokhlin Dmitry, Southern Federal University, Russia
20. Shishkina Elina, Voronezh State University, Russia
21. Soldatov Alexandre, FITS IU RAN, Russia
22. Tulenov Kanat, Institute of Mathematics and Mathematical Modeling, Kazakhstan
23. Vagharshakyan Armen, Institute of Mathematics, Armenia
24. Vakulov Boris, Southern Federal University, Russia
25. Vatulyan Alexander, Southern Scientific Institute RAS, Russia
26. Yerkinbayev Nurlan, Institute of Mathematics and Mathematical Modeling, Kazakhstan