



THE PROGRAM
of the International Conference
Complex Analysis and its Applications
Gelendzhik – Krasnodar
May 30 — June 5, 2021



Krasnodar
2021

29-30 May 2021 Days of arrival

Monday
31 May 2021

Hall A, 29 Khalturina st., Gelendzhik

9:15 - 10:00	Registration of participants Coffee Break		
10:00 - 10:30	The Opening Ceremony		
10:30 - 13:20	Plenary Lectures		Chairman:
10:30 - 11:15	Solynin Alexander, Texas Technology University, USA	Geometric Transformations in Analysis: Dubinin's Road to Symmetry	Aptekarev Alexander
11:15 - 11:45	Coffee Break		
11:45 - 12:30	Sergeev Armen, Steklov Mathematical Institute of RAS, Russia	Quantum differentials and function spaces	
12:35 - 13:20	Borodin Petr, Lomonosov Moscow State University, Russia	Approximation by simplest fractions in unbounded domains	

13:20 - 15:00 Lunch

Schedule for Parallel Sessions

15:00 - 18:15	HALL A	Chairman: Borodin Petr	HALL B	Chairman: Losev Alexander
15:00 - 15:20	Shchepin Evgeny, Steklov Mathematical Institute of RAS, Russia	On greedy summations of tensor products of operators	Losev Alexander, Volgograd State University, Russia	Some aspects of potential theory for elliptic equations on Riemannian manifolds
15:25 - 15:45	Solodov Alexey (with O. Kudryavtseva), Lomonosov Moskow State University, Russia	Domains of univalentness of holomorphic mappings of a circle into itself with two fixed points	Vasyliiev Vladimir (with N. Eberline), Belgorod State University, Russia	On conjugation problem in the theory of elliptic equations
15:50 - 16:10	Starkov Victor (with E. Kompaneets), Petrozavodsk State University, Russia	Differential inequalities for polynomials	Klyachin Vladimir, Volgograd State University, Russia	Using Hausdorff metric in problem of detection the spatial orientation of objects by its projections
16:15 - 16:35	Kalmykov Sergey, Shanghai Jiao Tong University, China	On boundary interpolation with finite Blaschke products	Grigorieva Elena, Volgograd State University, Russia	Geometric properties of the Hausdorff metric and its analogues in the problem of object reconstruction from its projection

16:35 - 17:05	Coffee Break			
17:05 - 17:25	Lysov Vladimir , Keldysh Institute of Applied Mathematics RAS, Russia	On some properties of multiple Kravchuk polynomials	Klyachin Alexey , Volgograd State University, Russia	Maximum principle for solutions of the modified Newtonian gravitational potential equation in an unbounded domain
17:30 - 17:50	Krivosheeva Olesya , Bashkire State University, Russia	A fundamental principle for unbounded domains	Biryuk Andrei , Kuban State University, Russia	On the optimal shape of the gyroline rotor
17:55 - 18:15	Abuzyarova Natalya , Bashkire State University, Russia	One property of the zero (sub)sets of the function invertible in the sense of Ehrenpreis	Silchenko Eugeny , Kuban State University, Russia	An extension of the maximum principle for quasilinear parabolic equations

Tuesday
1 June 2021

9:30 - 13:10	HALL A Plenary Lectures		Chairman:
9:30 - 10:15	Aptekarev Alexander, Keldysh Institute of Applied Mathematics RAS, Russia	On Uniform Convergence of Rational Approximants	Dubinin Vladimir
10:20 – 11:05	Nasyrov Semen, Kazan Federal University, Russia	Ramified coverings of the Riemann sphere and uniformization	
11:05 - 11:35	Coffee Break		
11:35 - 12:20	Avhadiev Farit, Kazan Federal University, Russia	Bilateral estimates of functionals of mathematical physics	
12:25 - 13:10	Vodopyanov Sergey, Sobolev Institute of Mathematics of RAS Sibrian Branch, Russia	Current rezults and problems in quasi- conformal analysis	

13:10 - 15:00 Lunch

Schedule for Parallel Sessions

15:00 - 18:15	Hall A	Chairman: Vodop'yanov Sergey	HALL B	Chairman: Sergeev Armen
15:00 - 15:20	Shlyk Vladimir, Vladivostok Branch of Russian Customs Academy, Russia	Removable sets for weighted Sobolev spaces with a Muckenhoupt weight.	Kruzhilin Nikolay, Steklov Mathematical Institute of RAS, Russia	A local version of the fundamental theorem of projection geometry and CR- geometry
15:25 - 15:45	Dymchenko Yuriy, Maritime State University, Vladivostok, Russia	Capacities of Generalized Condensers with A1-Muckenhoupt Weight	Isaev Konstantin (with R.S. Yulmukhametov), Institute of Mathematics with Computer Center of UFC RAS, Russia	Riesz bases of normalized reproducing kernels in radial Hilbert spaces of entire functions
15:50 - 16:10	Shcherbakov Evgeni, Kuban State University, Russia	Free Boundary Value Problems and Symmetrization of the Functions and Domains.	Lyapin Alexander, Siberian Federal University, Russia	On the rationality of sections of multidimensional recurrent series
16:15 - 16:35	Malyutina Aleksandra, Tomsk State University, Russia	On the module of continuity of mappings with an s- averaged characteristic	Dyachenko Alexander, University College London, United Kingdom	Ratios of the Gauss hypergeometric functions with parameters shifted by integers

16:35 - 17:05	Coffee Break			
17:05 - 17:25	Levitskii Boris (with A. Ignatenko), Kuban State University, Russia	Variation problems for spatial modules	Tetenov Andrey, Novosibirsk State University, Russia	On self-similar continua satisfying finite intersection property
17:30 - 17:50	Kazantsev Andrey (with M. Kinder), Kazan Federal University, Russia	On the critical points of the Mityuk radius	Drozdov Dmitry, Novosibirsk State University, Russia	Finiteness intersection criteria for fractal squares and cubes
17:55 - 18:15	Prilepkina Elena, Institute of Applied Mathematics of RAS Far Eastern Branch, Russia	Convexity of the p- harmonic radius of a circular sector	Markovsky Alexey, Kuban State University, Russia	Equilibrium approximation of analytic functions

Wednesday
2 June 2021

9:30 - 13:10	HALL A Plenary Lectures		Chairmans:
9:30 - 10:15	Dubinin Vladimir, Institute of Applied Mathematics of RAS Far Eastern Branch, Russia	Critical values of the finite Blaschke products	Guzev Mickhail
10:20 - 11:05	Babeshko Vladimir, Kuban State University, Southern Scientific Center of RAS, Russia <i>(online lecture)</i>	Refined Model of Lithospheric Plates in the Problem Tsunami Forecast	
11:05 - 11:35	Coffee Break		
11:35 - 12:20	Sugawa Toshiyuki, Tohoku University, Japan <i>(online lecture)</i>	Internal geometry and boundary structure of a domain	Sergeev Armen, Solynin Alexander
12:25 - 13:10	Sadullaev Azimbay, National University of Uzbekistan, Uzbekistan <i>(online lecture)</i>	Further development of the pluripotential theory	

13:10 - 15:00 Lunch

15:00 - 16:50	HALL A Plenary Lectures		Chairmans:
15:00 - 15:50	Chirka Evgeniy, Steklov Mathematical Institute of RAS, Russia <i>(online lecture)</i>	Harmonic foliations on a Riemann surface	Sergeev Armen, Solynin Alexander
16:00 - 16:50	Vuorinen Matti, University of Turku, Finland <i>(online lecture)</i>	Condenser capacity and domain functionals	
19:00	Conference Dinner (Cafe LaCosta, 11 Revolutsionnaya st.)		

**Thursday
3 June 2021**

	HALL A Round Table			Chairman:
10:00-11:30	The Problems of Mathematical Educations			Anisimov Viktor, Director of Kuban Science Foundation
11:30-12:00	Coffee Break			
Schedule for Parallel Sessions				
12:00-13:10	Hall A	Chairman: Goryainov Victor	Hall B	Chairman: Avkhadiev Farit
12:00-12:20	Tyaglov Mikhail, Shanghai Jiao Tong University, China	On some generalisations of the Hawaii conjecture	Golub Michail, Kuban State university, Russia	Application of semi- analytical hybrid methods to determine the spectral properties of waveguides with inhomogeneities
12:25 - 12:45	Efraimidis Iason, Texas Tech University, USA	Schwarzian derivatives for harmonic mappings	Mazepa Elena (with D. Ryaboshlykova), Volgograd State University, Russia	On the stability of solutions of the inhomogeneous Schrodinger equation under coefficient variations on non- compact Riemannian manifolds

12:50 -13:10	Shishkin Andrey, Branch of the Kuban State University in Slavyansk-on-Kuban, Russia	On the definition of a convolution-type operator in the space of analytic functions	Blyzniuk Kristyna (with E.Mazepa), Volgograd State University, Russia	On the solvability of boundary value problems for the inhomogeneous Schrödinger equation in the class of equivalent functions on noncompact Riemannian manifolds
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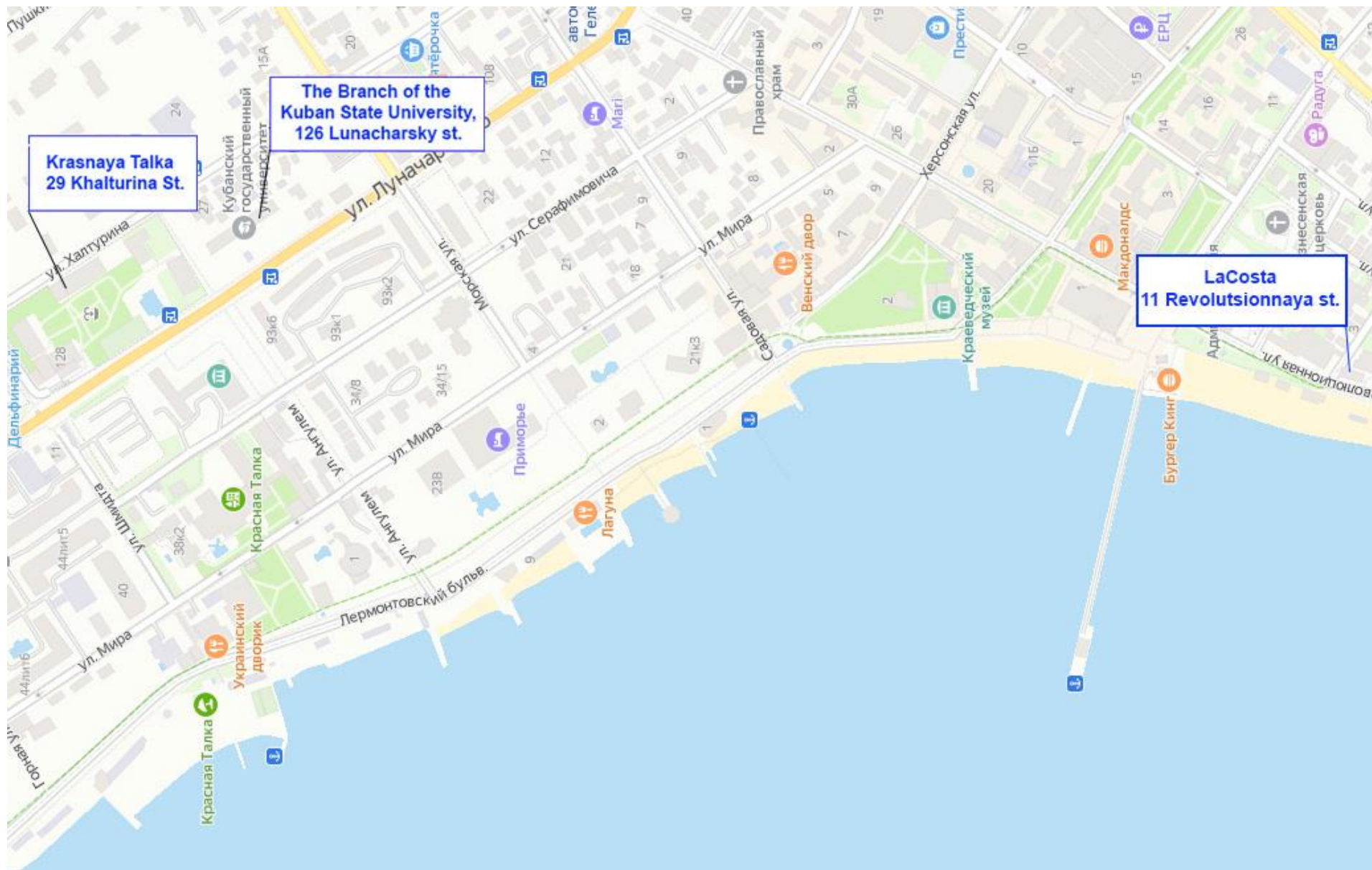
13:10-15:00 Lunch

Schedule for Parallel Sessions				
15:00-17:20	Hall A	Chairman: Nasyrov Semen	HALL B	Chairman: Starkov Victor
15:00-15:20	Trukhlyaeva Irina, Volgograd State University, Russia	On the uniform convergence of polynomial solutions to the equation of an equilibrium capillary surface	Yaremenko Ludmila (with D.Gamayunova), Kuban State University, Russia	On the radius of starlikeness of p-valent functions
15:25-15:45	Shcherbakov Mikhail, Kuban State university, Russia	Search for an equilibrium nano-drop. Extended Young's formula	Saranchuk Yury, Branch of the Kuban State University in Slavyansk-on-Kuban, Russia	About one operator of the shift type

15:50-16:10	Poluboyarova Natalia, Volgograd State University, Russia	Stability of the extreme surface given by the graph of the function	Tatarkin Alexander, Branch of the Kuban State University in Slavyansk-on-Kuban, Russia	On homogeneous q-sided convolution equations with periodic indicator
16:15-16:35	Viharev Sergey, Volgograd State University, Russia	The Liouville-type theorem for the elliptic inequality of a special type on Quasi-model Riemannian manifolds	Tashpulatov Sa'dulla (with R. Parmonova), Institute of Nuclear Physics of UAS, Uzbekistan	Structure of essential spectra and discrete spectrum of the energy operator of four electron systems in the impurity Hubbard model. Quintet state
16:40 - 17:00	Panchenko Alice, Volgograd State University, Russia	Uniform convergence of piece - wise polynomial solutions of minimal surface equation	Levashova Maria (with E. Shcherbakov), Kuban State University, Russia	The variational method in the theory of quasiconformal mappings
17:00 - 17:20	Filatov Vladimir, Volgograd State University, Russia	Massive sets and a Liouville-type theorem for solutions of elliptic semilinear equations on non-compact Riemannian manifolds	Malyutin Konstantin (with T. Shevtsova and M. Kabanko), Kursk State University, Russia	Functions of infinite order in upper half-plane

Friday
4 June 2021

9:30-10:30	Hall A Closing Ceremony	
Excursions on choise		
1. Excursion to Safary Park 11:00 -14:30		2. Sea excursion to the rock "Parus" (11:00 -14:30 or 15:00-19:00)



If you have any questions, please don't hesitate to contact the Organizing Committee by ***contact telephone number*** +7(918) 484-60-87

