COMAN
2018

COMPLEX ANALYSIS AND ITS APPLICATIONS · INTERNATIONAL CONFERENCE

THE PROGRAM
of the International Conference
Complex Analysis and its Applications
Gelendzhik — Krasnodar, Russia
June 2 to 9, 2018

Krasnodar
2018

2-3 June 2018   Days of arrival

Monday
4 June 2018

Greek Cultural Center, 112 Lunacharsky st, Gelendzhik

9:15 - 10:00	Registration of participants		
10:00 - 10:30	The Opening Ceremony		
10:30 - 13:20	Plenary Lectures		Chairman:
10:30 - 11:15	**Solynin Alexander**, Texas Technology University, USA	The Art of symmetrization: Ideas of I.P. Mityuk and modern developments	
11:15 - 11:45	Coffee Break		**Dubinin Vladimir**
11:45 - 12:30	**Aptekarev Alexander**, Keldysh Institute of Applied Mathematics RAS, Russia	Convergence of rational approximants and extremal problems of geometric theory of functions	
12:35 - 13:20	**Babeshko Vladimir**, Kuban State University, Russia	The block element method in applications	

13:15 - 15:00   Lunch

Schedule for Parallel Sessions

The Branch of the Kuban State University in Gelendzhik, 126 Lunacharsky st.

15:00 - 18:15	Section A, Assembly Hall	Chairman: Goryainov Victor	Section B, Reading room	Chairman: Aptekarev Alexander
15:00 - 15:20	**Graf Sergey**, Tver State University, Petrozavodsk State University, Russia	The analogues of Nehari theorem for harmonic functions	**Buslaev Viktor**, Steklov Mathematical Institute of RAS, Russia	Shur's algorithm for formal power series
15:25 - 15:45	**Kalmykov Sergey**, Far Eastern Federal University; Institute of Applied Mathematics of FEB RAS, Russia	On Bernstein- and Markov-type inequalities for rational functions (with Bela Nagy and Vilmos Totik)	**Shchepin Evgeny**, Steklov Mathematical Institute of RAS, Russia	On doubling formula for Gamma function
15:50 - 16:10	**Shlyk Vladimir**, Vladivostok Branch of Russian Customs Academy, Russia	BV-Functions and the weighted modules and capacities on a Riemann surface	**Borodin Petr**, Moscow State University, Russia	Density of simple partial fractions and their generalizations in function spaces

16:15 - 16:35	**Golberg Anatoly**, Holon Institute of Technology, Israel	Extremal bounds in module estimates	**Komlov Aleksandr**, Steklov Mathematical Institute of RAS, Russia	Hermite-Padé approximants for meromorphic functions on a compact Riemann surface
16:40 - 17:00	**Bakhtin Alexandr**, Institute of mathematics of NAS, Ukraine	Three problems on extremal decomposition of the complex plane with free poles	**Lysov Vladimir**, Keldysh Institute of Applied Mathematics RAS, Russia	Asymptotics of Hermite-Padé approximations for functions with three branch points
17:05 - 17:25	**Levitskii Boris**, Kuban State University, Russia	P-harmonic radius and p-harmonic Green's mappings	**Bogolyubskii Alexey**, LLC "Atol", Russia	On the Frobenius–Padé approximants, domains of their convergence and the supports of the equilibrium measures
17:30 - 17:50	**Prilepkina Elena**, Far Eastern Federal University; Institute of Applied Mathematics of FEB RAS, Russia	The method of curves families modules in extremal decomposition problems.	**Krivosheeva Olesya**, Bashkire State University, Russia	Singular points of sum of exponential monomials series

Tuesday
5 June 2018

9:15 - 13:30	**Plenary Lectures**		Chairman:
9:15 - 10:00	**Prokhorov Dmitri,** Saratov State University, Russia	Value regions of univalent functions within different classes	**Starkov Viktor**
10:05 - 10:50	**Sugawa Toshiyuki,** Tohoku University, Japan	Refinements of Schwarz Lemma and their applications to concave functions	
10:50 - 11:20	**Coffee Break**		
11:20 - 12:05	**Goryainov Victor,** Moscow Institute of Physics and Technology (State University), Russia	Semigroups of holomorphic mappings of a half-plane and Loewner equation	
12:10 - 12:55	**Nasyrov Semen,** Kazan Federal University, Russia	Structure of trajectories for a quadratic differential on a three-sheeted Riemann surface of genus 1	

12:55 - 15:00   Lunch

Schedule for Parallel Sessions

The Branch of the Kuban State University in Gelendzhik, 126 Lunacharsky st.

15:00 - 18:15	Section A, Assembly Hall	Chairman: Buslaev Viktor	Section C, Reading room	Chairman: Sergeev Armen
15:00 - 15:20	**Dubinin Vladimir**, Far Eastern Federal University, Institute of Applied Mathematics of FEB RAS, Russia	Connected lemniscates and distortion theorems for polynomials and rational functions	**Mkrtchan Alexander**, Siberian Federal University, Russia	Continuation of Multiple Power Series in a Sectorial Domain by Means of Interpolating the Coefficients by Meromorphic Function
15:25 - 15:45	**Riihentaus Juhani**, University of Eastern Finland, Finland	Removability results for subharmonic functions, for harmonic functions and for holomorphic functions	**Khudayberganov Gulmirza**, National University of Uzbekistan	Laurent series in the classical Cartan's domains

15:50 - 16:10	**Maergoiz Lev**, Siberian Federal University, Russia	Ways of Analytic Continuation of Many-Sheeted Functions of One Variable. Applications	**Kurbanov Bukharbay**, Karakalpak State University, Uzbekistan	The Morera boundary theorem in the space of rectangular matrices
16:15 - 16:35	**Pchelintsev Valerii**, Tomsk Polytechnic University, Russia; Ben-Gurion University of the Negev, Israel	On the quasiconformal geometry of the Neumann eigenvalue problem	**Rakhmonov Uktam**, Tashkent State Technical University, Uzbekistan	On the Carleman formula for a matrix ball of the third type (with Kh.Kurambayev)
16:40 - 17:00	**Shabalin Pavel**, Kazan State University of Architecture and Engineering	Riemann - Hilbert boundary value problem with several points of turbulence (with A.Kh. Fatykhov)	**Prenov Barlykbay**, Nukus State Pedagogical Institute named after Ajinyaz, Uzbekistan	On an analog of the Laurent series for harmonic functions
17:05 - 17:25	**Yaremenko Ludmila**, Kuban State University, Russia	On the curvature of level-lines in the class of regular functions	**Otemuratov Bayrambay**, Karakalpak State University named after Berdakh, Uzbekistan	On condition of holomorphic continuations of functions from a boundary of a domain
17:30 - 17:50	**Gavrilyuk Mikhail**, Kuban State University, Russia	Maximum of the diameter of level lines in Jenkins class	**Malyutin Konstantin**, Kursk State University, Russia	Free interpolation in the class of functions of finite order in the half-plane (with A. Gusev)

Wednesday
6 June 2018

9:15 - 13:30	Plenary Lectures		Chairman:
9:15 - 10:00	**Sergeev Armen**, Steklov Mathematical Institute of RAS, Russia	Universal Teichmueller space as a non-trivial example of infinite-dimensional complex manifolds	**Solynin Alexander**
10:05 - 10:50	**Vuorinen Matti**, University of Turku, Finland	Metric properties of quasiconformal mappings	
10:50 - 11:20	Coffee Break		
11:20 - 12:05	**Vodop'yanov Sergey**, Sobolev Institute of Mathematics, Russia	Quasiconformal analysis of two-indexed scale of spatial mappings and its applications	
12:10 - 12:55	**Avkhadiev Farit**, Kazan Federal University, Russia	Integral conformally invariant inequalities and their applications	
13:00 – 13:30	**Starkov Viktor**, Petrozavodsk State University, Russia	Keller mappings and Jacobian conjecture	

13:30 - 15:00 Lunch

Schedule for Parallel Sessions

The Branch of the Kuban State University in Gelendzhik, 126 Lunacharsky st.

15:00 - 17:50	Section A, Assembly Hall	Chairman: Vodop'yanov Sergey	Section D, Reading room	Chairman: Avkhadiev Farit
15:00 - 15:20	**Fernández Arturo,** National Distance Education University, Spain	Classification Theory for Klein Surfaces	**Losev Alexander,** Volgograd State University, Russia	On the asymptotic behavior of solutions of elliptic-type equations on noncompact Riemannian manifolds
15:25 - 15:45	**Bhowmik Bappaditya,** Indian Institute of Technology Kharagpur, India	Quasiconformal extension of meromorphic univalent functions with nonzero pole	**Tyurikov Evgenij,** Don State Technical University, Russia	The Main Boundary Value Problem of the Membrane Theory of Convex Shells for One Class of Symmetric Domes
15:50 - 16:10	**Malyutina Aleksandra,** Tomsk State University, Russia	On differential properties of mappings with s-averaged characteristic (with K.A. Alipova)	**Mazepa Elena,** Volgograd State University, Russia	On solvability of a boundary value problem for the Poisson equation on unbounded open sets of Riemannian manifolds

16:15 - 16:35	**Karmanova Maria**, Sobolev Institute of Mathematics, Russia	On Metric Properties of Mappings of Sub-Lorentzian Structures	**Biryuk Andrei**, Kuban State University, Russia	Remarks on KO41 Theory of Turbulence (with A.Svidlov and E. Silchenko)
16:40 -17:00	**Isangulova Daria**, Novosibirsk State University, Russia	Analogs of Korn's inequality on Heisenberg groups	**Svidlov Alexander**, Kuban State University, Russia	Uniqueness sets of the simple-layer potential for the Helmholtz equation (with A. Biryuk)
17:05 - 17:25	**Molchanova Anastasia**, Sobolev Institute of Mathematics, Russia	On a boundary correspondence for homeomorphisms with weighted bounded (p, q)-distortion (with S.K. Vodopyanov)	**Bunyakin Alexei**, Kuban State University, Russia	Approximation of stationary solutions of the Navier-Stokes equations system with the potential of velocity and specific state equation for compressible continuum (with V.G. Zolotukhina)
17:30 -17:50	**Malkovich Evgeny**, Novosibirsk State University, Russia	On connections on 3-dimensional subRiemannian Lie groups.		

19:00   Conference Dinner in "SantaFe"

Thursday
7 June 2018

Excursions on choise

1. Excursion to Abrau Durso (15:00 - 20:00)

2. Sea excursion to the rock "Parus" (10:30 – 14:30 or 15:00 - 19:00)

Friday
8 June 2018

Schedule for Parallel Sessions				
The Branch of the Kuban State University in Gelendzhik, 126 Lunacharsky st.				
9:15 - 12:55	**Section A, Assembly Hall**	**Chairman: Prokhorov Dmitri**	**Section E, Reading room**	**Chairman: Starkov Viktor**
9:15 - 9:35	**Kuznetsov Mikhail**, Novosibirsk State University, Russia	On a certain characteristic of closed nondegenerate curves	**Ganenkova Ekaterina**, Petrozavodsk State University, Russia	Differential inequalities for polynimials (with V.V. Starkov)
9:40 - 10:00	**Menovschikov Alexander**, Sobolev Institute of Mathematics, Russia	Decomposable operators on Lp-direct integrals	**Amozova Kira**, Petrozavodsk State University, Russia	α –accessible domains
10:05 - 10:25	**Levashova Maria**, Kuban State University, Russia	Variational principle in the theory of quasiconformal mappings	**Vikharev Sergey**, Volgograd State University, Russia	The Liuoville-type theorems for stationary Ginzburg-Landau equation on Lipshitz manifolds of a special type

10:30 - 10:50	**Ignatenko Alexander**, Kuban State University, Russia	On a variational problem for spatial modules (with B.E. Levitskii)	**Filatov Vladimir**, Volgograd State University, Russia	Massive sets and Liouville type theorems
10:55 -11:15	**Borisova Yana**, Tomsk State University, Russia	On Problem Fekete and Szeg¨o (with I.A. Kolesnikov)	**Shishkin Andrey**, Branch of the Kuban State University in Slavyansk-on-Kuban, Russia	The homogeneous convolution equation in space of holomorphic functions
11:20 - 11:40	**Kolesnikov Ivan**, Tomsk State University, Russia	The accessory parameters in the Schwartz equation	**Tatarkin Aleksandr**, Branch of the Kuban State University in Slavyansk-on-Kuban, Russia	Elementary solutions of homogeneous q-sided convolution equation (with U. Saranchuk)
11:45 -12:05	**Mavrodi Nikolay**, Kuban State University, Russia	Singular points of the Hurwitz composition	**Silchenko Eugeny**, Kuban State University, Russia	On integral representation formula via the heat kernal

12:15 -12:45   Closing Ceremony (Assembly Hall)

Saturday 9 June 2018   The day of departure

Krasnaya Talka
29 Khalturina St.

The Branch of the
Kuban State University,
126 Lunacharsky st.

Santa Fe

Greek Cultural Center,
112 Lunacharsky st

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