# Conference
## on Complex Analysis and Mathematical Physics, dedicated to the 70th birthday of A. G. Sergeev

## Conference Program

All sessions of the conference will be held at the Steklov Mathematical Institute (8, Gubkina) on the 9th floor at the Conference Hall.

## Monday, March 18

$10^{20}$–$10^{50}$ *Registration (9th floor)*

$10^{50}$–$11^{00}$ *Opening*

*Morning session*
    Chairman: Dmitrii Treschev

$11^{00}$–$11^{40}$ Pavel Exner (Doppler Institute for Mathematical Physics and Applied Mathematics, Prague)
    *Optimization of the principal eigenvalue in various geometries*

$11^{40}$–$12^{00}$ Coffee break

$12^{00}$–$12^{40}$ Peter Heinzner (Ruhr University Bochum)
    *Kählerian reduction*

$12^{50}$–$13^{30}$ Huijun Fan (Peking University)
    *On gauged linear sigma model*

$13^{30}$–$15^{00}$ Lunch

*Afternoon session*
    Chairman: Evgenii Chirka

$15^{00}$–$15^{40}$ Alexandre Sukhov (University of Lille; Institute of Mathematics with Computing Centre — Subdivision of the Ufa Federal Research Centre of RAS)
    *Some aspects of analysis on almost complex manifolds*

$15^{40}$–$16^{00}$ Coffee break

$16^{00}$–$16^{40}$ Chungchun Yang (Nanjing University)
    *Nevanlinna's value distribution theory, its applications and conjectures*

$16^{50}$–$17^{20}$ Semen Nasyrov (Kazan Federal University)
    *Nuttall's decomposition of a three-sheeted Riemann surface of genus one*

$17^{30}$ : *Welcome Party (9th floor)*

## Tuesday, March 19

*Morning session*
  Chairman: Stefan Nemirovskii

$11^{00}$–$11^{40}$ Xiangyu Zhou (Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing)
  *Some recent results on transcendental techniques in complex geometry*

$11^{40}$–$12^{00}$ Coffee break

$12^{00}$–$12^{40}$ Stanislaw Janeczko (Warsaw University of Technology)
  *Geometric and algebraic restrictions of differential forms*

$12^{50}$–$13^{30}$ Martin Schlichenmaier (University of Luxembourg)
  *N point Virasoro algebras are multi-point Krichever-Novikov type algebras*

$13^{30}$–$15^{00}$ Lunch

*Afternoon session*
  Chairman: Xiangyu Zhou

$15^{00}$–$15^{40}$ Tuen Wai Ng (The University of Hong Kong)
  *The squeezing functions on planar domains*

$15^{50}$–$16^{30}$ Valery Serov (University of Oulu)
  *Scattering and spectral problems for perturbations of multidimensional biharmonic operator*

$16^{30}$–$16^{50}$ Coffee break

$16^{50}$–$17^{20}$ Il'dar Musin (Institute of Mathematics with Computer Centre — Subdivision of the Ufa Federal Research Centre of RAS)
  *Linear operators on Fock type spaces*

$17^{30}$–$18^{00}$ Gulmirza Khudayberganov (National University of Uzbekistan named after M. Ulugbek, Tashkent)
  *Matrix domains in the theory functions of several complex variables*

## Wednesday, March 20

*Excursion to the Kremlin and to the Red Square (with its surroundings).*
*Conference dinner.*

# Thursday, March 21

*Morning session*
    Chairman: Peter Heinzner

$10^{30}$–$11^{10}$ Sergey Kislyakov (St. Petersburg Department of Steklov Mathematical Institute of the Russian Academy of Sciences)
*Interpolation for intersections of certain Hardy-type spaces*

$11^{20}$–$12^{00}$ Ryoichi Kobayashi (Nagoya University)
*Rigidity of compact holomorphic curves in compact complex parallelizable manifolds $\Gamma\backslash \mathrm{SL}(2,\mathbb{C})$ and its geometric applications*

$12^{00}$–$12^{20}$ Coffee break

$12^{20}$–$13^{00}$ Siye Wu (National Tsing Hua University, Taiwan)
*Deformation of the prequantum action on a symplectic manifold*

$13^{10}$–$13^{50}$ August Tsikh (Siberian Federal University, Krasnoyarsk)
*Convexity properties for complements of analytic sets and their amoebas*

$13^{50}$–$15^{30}$ Lunch

$15^{30}$–$17^{00}$ *Visit to Laboratory of Popularization and Promotion of Mathematics and sightseeing tour of Steklov Mathematical Institute. Start at room 313, 3rd floor.*

*Afternoon session*
    Chairman: Ryoichi Kobayashi

$17^{10}$–$17^{50}$ Akira Yoshioka (Tokyo University of Science)
*Non-formal star product and star functions*

$17^{50}$–$18^{10}$ Coffee break

$18^{10}$–$18^{40}$ Farit Avkhadiev (Kazan Federal University)
*Hardy and Rellich type conformally invariant inequalities*

$18^{50}$–$19^{20}$ Alexey Karapetyants (Southern Federal University, Rostov-on-Don)
*On a class of Hausdorff–Berezin operators on the unit disc*

# Friday, March 22

*Morning session*
   Chairman: Martin Schlichenmaier

$11^{00}$–$11^{40}$ Ngaiming Mok (The University of Hong Kong)
   *Uniformization problems on subvarieties of finite-volume quotient spaces of bounded symmetric domains*

$11^{40}$–$12^{00}$ Coffee break

$12^{00}$–$12^{40}$ Oleg Mushkarov (Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences, Sofia)
   *Partial integrability of almost complex structures*

$12^{50}$–$13^{30}$ Alfonso Montes-Rodríguez (University of Seville)
   *Uniform sampling along characteristics for solutions of the telegraph system*

$13^{30}$–$15^{00}$ Lunch

*Afternoon session*
   Chairman: Valery Serov

$15^{00}$–$15^{40}$ Anatol Odzijewicz (University of Bialystok)
   *Quantization and groupoid of partially invertible elements of $W^*$-algebra*

$15^{50}$–$16^{30}$ Francesco Dell'Accio (University of Calabria)
   *Multinode rational operators for scattered data interpolation*

$16^{30}$–$16^{50}$ Coffee break

$16^{50}$–$17^{20}$ Roland Duduchava (The University of Georgia; A.Razmadze Mathematical Institute, Tbilisi, Georgia)
   *Boundary value problems on hypersurfaces and $\Gamma$-convergence*

$17^{30}$–$18^{00}$ Vladislav Kravchenko (Southern Federal University, Rostov-on-Don)
   *Construction of transmutation operators and application to direct and inverse spectral problem*