

XXI SUMMER ST. PETERSBURG MEETING
IN MATHEMATICAL ANALYSIS

MONDAY, June 25

- 9:30–10:30 REGISTRATION
- 10:30 OPENING
- 10:40–11:25 **V. Peller.** *Perturbations of functions of commuting tuples of self-adjoint operators.*

Coffee break

- 11:55–12:40 **A. Baranov.** *Completeness of rank one perturbations of selfadjoint operators.*

Lunch

- 15:00–15:20 **K. Dyakonov.** *On the singular factor of a linear combination of holomorphic functions.*
- 15:25–15:45 **R. Bessonov.** *Truncated Toeplitz operators of finite rank.*
- 15:50–16:10 **I. Musin.** *On the Laplace transform of functionals on spaces of infinitely differentiable functions.*
- 16:15–16:35 **P. Mozolyako.** *Boundary oscillation of harmonic functions in growth spaces.*
- 16:45 WELCOME PARTY

TUESDAY, June 26

10:00–10:45 **V. Eiderman.** *Calderón–Zygmund capacities and Wolff potentials.*

Coffee break

11:05–11:50 **E. Saksman.** *BMO, quasiconformal maps, and rotation.*

11:55–12:40 **A. Poltoratski.** *Bernstein’s problem on weighted polynomial approximation.*

Lunch

15:00–15:20 **L. Slavin.** *Exponential integrability of BMO, revisited.*

15:25–15:45 **A. Reznikov.** *Bump conditions, two weight Muckenhoupt conjecture and its weak version.*

15:50–16:10 **N. Shirokov.** *Sufficient conditions of Hölder smoothness of outer function.*

Coffee break

16:30–16:50 **I. Karabash.** *Nonlinear eigenvalue problem for optimal optical cavities.*

16:55–17:15 **V. Beloshapka.** *Analytic complexity of functions of two variables.*

WEDNESDAY, June 27

10:00–10:45 **K. Fedorovsky.** *Caratheodory domains, their conformal mappings and applications.*

Coffee break

11:05–11:50 **N. Rautian, V. Vlasov.** *Spectral analysis and properties of the solutions of abstract integro-differential equations in a Hilbert space.*

11:55–12:40 **A. Pushnitski.** *Scattering theory and Banach space valued singular integrals.*

Lunch

15:00–15:20 **V. Dilnyi.** *On cyclic functions in a weighted Hardy space and some decompositions.*

15:25–15:45 **E. Melamud.** *Linear operators on polynomials preserving roots in open circular domains.*

15:50–16:10 **M. Nudelman.** *A functional model of simple conservative resistance system with continuous time.*

Coffee break

16:30–16:50 **R. Zarouf.** *A Bernstein type inequality for rational functions in weighted Bergman spaces.*

16:55–17:15 **N. Ibadov.** *Homogenous convolution equations in spaces of sequences.*

THURSDAY, June 28

10:00–10:45 **G. Roos.** *Analysis on Cartan–Hartogs domains.*

Coffee break

11:05–11:50 **B. Khabibullin.** *Zero subsequences for entire functions of exponential type with restrictions on the real axis.*

11:55–12:40 **M. Belishev.** *On a functional model of symmetric semi-bounded operator.*

Lunch

15:00–15:20 **A. Stokolos.** *The Gurov–Reshetnyak condition and A_∞ .*

15:25–15:45 **A. Makhota.** *Completeness of exponential systems in convex domain.*

15:50–16:10 **L. Maergoiz.** *Constructive ways of a rational function recovery with given branching points of Riemann surface of its inversion.*

Coffee break

16:30–16:50 **P. Kumar.** *Optimal execution size in algorithmic trading.*

16:55–17:15 **O. Reinov.** *A further generalization of Grothendick-Lidskii theorem trace formulas.*

FRIDAY, June 29

10:00–10:45 **S. Favorov.** *Blaschke-type conditions in unbounded domains, generalized convexity and applications in perturbation theory.*

Coffee break

11:05–11:50 **H. Hedenmalm.** *Heisenberg's uncertainty principle in the sense of Beurling.*

11:55–12:40 **A. Nishry.** *Log-integrability of Rademacher Fourier series with applications to random analytic functions.*

Lunch

16:00 BOAT TRIP

18:30 CONFERENCE DINNER

SATURDAY, June 30

10:00–10:45 **Y. Belov.** *A restricted shift completeness problem.*

Coffee break

11:05–11:50 **F. Gaunard.** *Reverse Carleson embeddings for model spaces.*

11:55–12:40 **H. Woracek.** *De Branges' theorem on approximation problems of Bernstein type.*