

# CONFERENCE PROGRAM

## Monday, April 23

09:30–10:30 REGISTRATION

10:30–11:15 **Pertti Mattila.** *Projections, Hausdorff dimension, and very little about analytic capacity.*

### COFFEE BREAK

11:40–12:25 **Arno Kuijlaars.** *The two-periodic Aztec diamond and matrix valued orthogonal polynomials.*

12:35–13:20 **Alexander Logunov.** *0.01% improvement of the Liouville property for discrete harmonic functions on  $\mathbb{Z}^2$ .*

### LUNCH

#### Section A

15:00–15:25 **Konstantin Dyakonov.** *Interpolating by functions from star-invariant subspaces.*

15:30–15:55 **Xavier Massaneda.** *Equidistribution and  $\beta$ -ensembles.*

#### Section B

15:00–15:25 **Alexandre Sukhov.** *Analytic geometry of Levi-flat singularities.*

### COFFEE BREAK

Section A

16:25–16:50 **Stéphane Charpentier.** *Small Bergman–Orlicz and Hardy–Orlicz spaces.*

16:55–17:20 **Avner Kiro.** *Uniqueness theorems in non-isotropic Carleman classes.*

17:25–17:50 **Alexander Pushnitski.** *Weighted model spaces and Schmidt subspaces of Hankel operators.*

Section B

16:25–16:50 **Vesna Todorčević.** *Subharmonic behavior and quasiconformal mappings.*

16:55–17:20 **Nicola Arcozzi.** *Carleson measures for the Dirichlet spaces on the bidisc.*

18:00

WELCOME PARTY

*at The Euler International Mathematical Institute*

## Tuesday, April 24

10:25–11:10 **Josip Globevnik.** *On complete complex hypersurfaces in  $\mathbb{C}^N$ .*

### COFFEE BREAK

11:40–12:25 **Alexander Aptekarev.** *Asymptotics of Hermite–Padé approximants of multi-valued analytic functions.*

12:35–13:20 **Frank Kutzschebauch.** *Factorization of holomorphic matrices in elementary factors.*

### LUNCH

#### Section A

15:00–15:25 **Maksim Mazalov.** *An  $L^1$ -estimate for Calderón commutators and bianalytic capacities.*

15:30–15:55 **Petr Borodin.** *Density of semigroups in complex Banach spaces.*

#### Section B

15:00–15:25 **Rachid Zarouf.** *Schäffer’s conjecture and a duality approach to interpolation theory.*

15:30–15:55 **Konstantin Isaev.** *Representing systems of exponentials in invariant hull and invariant kernel of normed spaces of analytic functions.*

16:00–17:00 POSTER SESSION / COFFEE

Section A

- 17:05–17:30 **Evgenii Dubtsov.** *Approximation by proper holomorphic maps and tropical power series.*
- 17:35–18:00 **Bulat Khabibullin.** *On the distributions of zero sets of holomorphic functions.*

Section B

- 17:05–17:30 **Philippe Jaming.** *Spectral inequality for Hermite functions and null-controllability of hypoelliptic quadratic equations from thick sets.*
- 17:35–18:00 **Ilgiz Kayumov.** *Coefficients problems for Bloch functions.*

Wednesday, April 25

09:30–10:15 **Eero Saksman.** *On multiplicative chaos measures as statistical limits.*

10:25–11:10 **Stefanie Petermichl.** *Factorisation of Hardy spaces.*

COFFEE BREAK

11:40–12:25 **Alexei Poltoratski.** *Truncated Toeplitz operators in inverse spectral problems.*

12:35–13:20 **Stanislav Smirnov.** *Percolation crossings and complex analysis.*

LUNCH

18:00 CONCERT

**Baroque Ensemble "The Soloists of Catherine the Great"**  
*at St. Petersburg Department of Steklov Math. Institute, Fontanka 27*

## Thursday, April 26

10:00–10:45 **Zbigniew Błocki.** *Estimates for the Bergman kernel and logarithmic capacity.*

COFFEE BREAK

11:15–12:00 **Alexandru Aleman.** *Hilbert spaces of analytic functions with a contractive backward shift.*

12:10–12:55 **Gady Kozma.** *On the Cantor uniqueness theorem.*

LUNCH

Section A

14:45–15:10 **Pascal Thomas.** *The Corona Property in Nevanlinna quotient algebras.*

15:15–15:40 **Shahaf Nitzan.** *Balian–Low type theorems in finite dimensions.*

15:45–16:10 **Alexander Ulanovskii.** *Discrete translates in function spaces.*

Section B

14:45–15:10 **Vladimir Dubinin.** *Sharp distortion theorems for meromorphic functions having some connected lemniscates.*

15:15–15:40 **Il'dar Musin.** *On the Fock type space and its dual.*

15:45–16:10 **Pavel Mozolyako.** *Logarithmic potential estimates on the bi-tree.*

COFFEE BREAK

Section A

- 16:40–17:05 **Roman Bessonov.** *A spectral Szegő theorem on the real line.*
- 17:10–17:35 **Yury Belov.** *The Newman–Shapiro problem and spectral synthesis in the Fock space.*
- 17:40–18:05 **Faizo Shamoyan.** *Fourier transform and quasi-analytic classes of functions of bounded type on tubular domain.*

Section B

- 16:40–17:05 **Petr Paramonov.** *The  $C^1$ -approximation on plane compact sets by solutions of elliptic equations of second order.*
- 17:10–17:35 **Alexander Komlov.** *Hermite–Padé approximants for meromorphic functions on a compact Riemann surface.*
- 17:40–18:05 **Dmitriy Stolyarov.** *Generalized Volterra operators on the space of bounded analytic functions.*

19:15

CONFERENCE DINNER

*at the Restaurant “Allegro”, Griboedov Canal Quay, 55*

## Friday, April 27

09:30–10:15 **Franc Forstnerič.** *Nonlinear holomorphic approximation theory.*

10:25–11:10 **Nikolai Nikolski.** *Bohr's transform vs Kozlov's problem.*

### COFFEE BREAK

11:40–12:25 **Evgeni Chirka.** *Potentials on a compact Riemann surface.*

12:35–13:20 **Kari Astala.** *Liquid domains, frozen boundaries and the Beltrami equation.*

### LUNCH

15:00–15:45 **Håkan Hedenmalm.** *Planar orthogonal polynomials and boundary universality in the random normal matrix model.*

### COFFEE BREAK

16:10–16:55 **Alexander Bufetov.** *Determinantal point processes and completeness of reproducing kernels.*

17:05–17:50 **Mikhail Sodin.** *Translation-invariant probability measures on entire functions.*