

Representations, Dynamics, Combinatorics: in the Limit and Beyond

EULER INTERNATIONAL MATHEMATICAL INSTITUTE, JUNE 9-14, 2014

Monday, June 9

- 9.00–9.50 REGISTRATION
9.50–10.00 OPENING
10.00–10.50 **Alexei Borodin.** Integrable probability
10.50–11.20 COFFEE BREAK
11.20–12.10 **Stanislav Smirnov.** Random planar maps and their scaling limits
12.15–13.05 **Nicolai Reshetikhin.** Semiclassical 6j-symbols
13.05–14.50 LUNCH
14.50–15.40 **Klaus Schmidt.** Algebraic group actions and their entropies
15.40–16.10 COFFEE BREAK
16.10–17.00 **Sergey Fomin.** Subtraction-free complexity
17.15 WELCOME PARTY

Tuesday, June 10

- 10.00–10.50 **Benjamin Weiss.** Ergodic theory beyond amenable groups
10.50–11.20 COFFEE BREAK
11.20–12.10 **Hillel Furstenberg.** Qualitative laws of large numbers for random matrix products
12.15–13.05 **Jaroslav Nešetřil.** Ramsey classes — old and new
13.05–14.50 LUNCH
14.50–15.40 **Tatiana Smirnova-Nagnibeda.** New examples of totally non-free actions
15.40–16.10 COFFEE BREAK
16.10–17.00 **Rostislav Grigorchuk.** Invariant random subgroups of groups of lamplighter type and of hyperbolic groups

Wednesday, June 11

- 10.50–11.20 COFFEE BREAK
- 11.20–12.10 **Andrei Okounkov.** Boxcounting and multiple q -zeta values
- 12.15–13.05 **Igor Krichever.** Spectral theory of periodic triangular difference operators and its applications
- 13.05–14.50 LUNCH
- 14.50–15.40 **Anatoly Vershik.** TBA
- 15.40–16.00 COFFEE BREAK
- 16.20–18.50 BOAT TRIP (preliminary registration required)
- 19.00 CONFERENCE DINNER at the Dom Aktera restaurant, Nevsky 86 (preliminary registration required)

Thursday, June 12

- 10.00–10.50 **Joachim Cuntz.** Algebraic dynamical systems and C^* -algebras
- 10.50–11.20 COFFEE BREAK
- 11.20–12.10 **Victor Buchstaber.** Universal rigidity rings and applications
- 12.15–13.05 **Grigori Olshanski.** New results in asymptotic representation theory
- 13.05–14.50 LUNCH
- 14.50–15.40 **Igor Frenkel.** Symmetric groups, $\mathfrak{gl}(\infty)$, representations and categorifications
- 15.40–16.10 COFFEE BREAK
- 16.10–17.00 **Olga Kharlampovich.** Model theory and algebraic geometry in groups
- 17.00–17.30 COFFEE BREAK
- 17.40 CHAMBER MUSIC CONCERT

Friday, June 13

- 9.45–10.35 **Victor Maslov and Dmitry Shirokov.** Vershik’s combinatorial approach and phase transitions in the classical thermodynamics
- 10.35–11.00 COFFEE BREAK
- 11.00–11.50 **Yury Neretin.** Infinite symmetric groups and simplicial bordisms
- 11.55–12.45 **Jean-Paul Thouvenot.** A criterion which ensures that a positive entropy transformation can be written as a direct product
- 12.45–14.00 LUNCH
- 14.00 EXCURSION (preliminary registration required)

Saturday, June 14

- 10.00–10.50 **Peter Cameron.** Measuring triangle-free graphs
- 10.50–11.20 COFFEE BREAK
- 11.20–12.10 **Marek Bożejko.** Generalized Brownian processes connected with random matrices, α determinants and positive definite functions on permutation groups
- 12.15–13.05 **Sergey Yuzvinsky.** Higher topological complexity of hyperplane complements
- 13.05–14.50 LUNCH
- 14.50–15.40 **Dmitri Burago.** Just so stories around discretization in geometry, PDEs on manifolds, Finsler metrics and dynamics and entropy of Lagrangian flows
- 15.40–16.10 COFFEE BREAK
- 16.10–17.00 **Vadim Kaimanovich.** Randomness and invariance of geometric structures