

TUESDAY, NOVEMBER 7, 2017

8:30-10:30 Registration

10:30-11:00 Opening

11:00-12:00 Plenary talk

Simushkin S., Volodin I. *Practical aspects of the d -guarantee*

12:00 – 13:30 Lunch Break

13:30 – 15:30 Session I

13:30 – 13:50 Chuprunov A., Alhouzani M. *Poisson limit theorem for a number of given value cells from a pointed set of cells.*

13:50 – 14:10 Valeev S., Kondratyeva N. *Aviation Industry Stochastic Model Based on Big Data Concept*

14:10-14:30 Kareev I., Volodin I. *Lower bounds for the expected sample size for classical and d -aposterior statistical problem*

14:30 – 14:50 Koldanov P. *Risk function and optimality of statistical procedures for network structures identification*

14:50-15:10 Zaikin A. *D -posterior approach in regression analysis*

15:10-15:30 Dziuba E., Gubarev R. *Neuromathematics is an effective toll for forecasting social development of Russian regions*

15:30-16:00 Coffee Break

16:30 – 17:20 Session II

16:00-16:20 Simushkin S. *Two-sided confidence intervals for the d -posterior approach*

16:20-16:40 Perelevskiy S. *Improved nonparametric estimation of the drift in diffusion processes*

16:40-17:00 Salimov R. *Sequential d -guaranteed estimate of the mean value for the normal distribution*

17:00-17:20 Gabbasov F., Dubrovin V., Fadeeva M. *On the estimation of the rate of convergence in the multidimensional limit theorem for sums of the functions of weakly dependent random variables*

17:30 – 19:00 Welcome party (Room 1211)

WEDNESDAY, NOVEMBER 8, 2017

10:00-11:00 Plenary talk

Holevo A. *Completely positive perturbations of quantum dynamical semigroups*

11:00 – 11:30 Coffee Break

11:30-12:30 Plenary talk

Helemskii A. *Multi-normed spaces, based on non-discrete measures, and their tensor products*

12:30 – 14:00 Lunch Break

14:00 – 15:50 Session III

14:00 – 14:30 Fragouloupoulou M. *Symmetry and the Shirali-Ford theorem*

14:30 – 14:50 Gumerov R. *Chaotic coverings of solenoids and automorphisms of semigroup C^* -algebras*

14:50 – 15:10 Bikchentaev A. *Probability convergence of measurable operators arithmetical means*

15:10 – 15:30 Zavadsky D. *Shift-invariant measures on infinite-dimensional spaces, integrable functions and random walks*

15:30 – 15:50 Volkov B. *Levy Laplacians and Annihilation Process*

15:50 – 16:10 Coffee Break

16:10 – 17:50 Session IV

16:10 – 16:30 Amosov G. *On the existence of anticliques for non-commutative operator graphs*

16:30 – 16:50 Ablav F., Vasiliev A. *Quantum Information and Quantum Hashing*

16:50 – 17:10 Filippov S. *Nonunitary maps in the estimation of qubit channel capacities*

17:10-17:30 Luchnikov I. *Machine learning approach to open quantum systems*

17:30 – 17:50 Dudinets I. *Two coupled quantum oscillators interacting with two heat baths*

18:30 City tour “Kazan in the evening”

THURSDAY, NOVEMBER 9, 2017

10:00 – 11:00 Plenary talk

Abe S. *Estimating quantum entanglement in a class of N -qudit states*

11:00- 11:30 Coffee Break

11:30 – 12:30 Plenary talk

Volodin A. *Statistical Applications of the Dependent Bootstrap Procedure*

12:30 – 14:00 Lunch Break

14:00 – 15:50 Session V

14:00-14:30 Smolyanov O. *Lebesgue and Feynman generalized measures and their applications*

14:30 – 14:50 Sakbaev V. *Independization of random semigroups and the law of large numbers for maps*

14:50 – 15:10 Turilova E. *Quantum spectral symmetries*

15:10 – 15:30 Zhdanovskiy I. *Commutators of projectors and projective geometry*

15:30 – 15:50 Tikhonov O. *Measurements and operator convex functions*

15:50 – 16:10 Coffee Break

16:10 – 17:50 Session VI

16:10 – 16:30 Haliullin S. *Ultraproducts of von Neuman algebras and ergodicity*

16:30-16:50 Kocherova A. *Commutators and representation theory*

16:50 – 17:10 Arutyunov A. *On a derivations in group algebras*

17:10 – 17:30 Martynov G. *Weighted goodness-of-fit Cramer-von Mises and the Anderson-Darling tests*

17:30 – 17:50 Sharafutdinov A., Gumerov R. *A low-rank approximation of tensors*

18:30 Conference Dinner

FRIDAY, NOVEMBER 10, 2017

10:00 – 10:30 Plenary talk

Kuleshov A. *Data Science: Problems and Methods*

10:30 – 11:30 Plenary talk

Bernstein A. *Manifold learning in statistical tasks*

11:30 – 12:00 Coffee Break

12:00 – 13:00 Plenary talk

Burnaev E. *Predictive Modeling based on data in Industrial Engineering*

13:00 – 14:30 Lunch Break

14:30 – 16:10 Session VII

14:30-14:50 Abramov E. *Smooth Vector Fields Estimation on Manifolds by Optimization on Stiefel Group*

14:50 – 15:10 Yanovich Yu. *Manifold Learning Based Kernel Density Estimation*

15:10 – 15:30 Kachan O. *Vector Fields Alignment on Manifolds via Contraction Mappings*

15:30- 15:50 Moiseev N. *Improving the Accuracy of Macroeconomic Time Series Forecast by Incorporating Functional Dependencies Between Them*

15:50 – 16:10 Coffee Break

16:10 – 16:30 Mukhamedjanova S. *Finding chromatical polynomials using partition function of Pott's models*

16:30 – 16:50 Dolgov D. *An approach to coefficients choice in the k -ary gcd algorithm*

16:50 – 17:10 Novikov P, Valiev R. *Hidden Markov models and neural networks in forming investment portfolio*

17:10 – 17:30 Closing