

Friday, August 19

Conference Hall, 9th Floor

- 10:00–10:45 V. M. Buchstaber, “Elliptic functions, differential equations and dynamical systems”
- 10:55–11:40 P. Mironescu, “Ginzburg–Landau energy with prescribed degrees”

Coffee break

- 12:00–12:45 M. S. Agranovich, “Mixed problems and crack-type problems for strongly elliptic second-order systems in domains with Lipschitz boundaries”
- 12:55–13:40 S. Bianchini, “Regularity estimates for Hamilton–Jacobi equations and hyperbolic conservation laws”

Lunch

- 15:00–15:30 V. V. Zhikov, “On passage to the limit in nonlinear elliptic problems”
- 15:40–16:10 E. V. Radkevich, “On a truncation problem for the chain of equations”
- 16:20–16:50 A. I. Nazarov, “On the existence of extremal functions in the Maz’ya–Sobolev inequality”

Coffee break

- 17:10–17:30 K. V. Rerikh, “Algebraic integrability of dynamical systems and functional equations defined by birational mappings”
- 17:50–18:10 A. V. Klimenko, “Cesàro convergence of spherical averages for measure-preserving actions of Markov semigroups”

Auditorium 727, 7th Floor

International Workshop “Spatio-temporal dynamical systems”

- 15:00–15:30 G. A. Leonov, “Hidden oscillations in dynamical systems”
- 15:40–16:10 A. L. Fradkov, G. K. Grigoriev, I. A. Junussov, A. A. Selivanov, “Decentralized output feedback synchronization of dynamical networks”

16:20–16:50 L. Lerman, “A model of collinear tri-atomic chemical reactions: billiard in the angle with potential”

Coffee break

17:10–17:40 A. A. Pavlychev, Yu. S. Krivosenko, “Spatio-temporal localization of inner-shell excitations in free molecules, clusters, and solids”

17:50–18:10 V. Malieva, M. Neuss-Radu, W. Jäger, “Mathematical modelling and simulation of the swelling of the brain cell under ischaemic conditions”

18:20–18:40 T. Vu Xuan, “The sunflower equation”

18:50–19:10 A. Karnauhova, “On nilmanifolds admitting Anosov diffeomorphisms”

Auditorium 530, 5th Floor

International Workshop

“Spatio-temporal dynamical systems”

15:00–15:30 V. A. Vorontsov, A. M. Krainov, “Development of the motion model for a planet rover with cyclic surface contact”

15:40–16:10 M. Wolfrum, “Stability properties of equilibria and periodic solutions in systems with large delay”

16:20–16:50 S. Yanchuk, “Periodic and relative periodic solutions in systems with time-delay”

Coffee break

17:10–17:40 E. Stumpf, “The existence and C^1 -smoothness of local center-unstable manifolds for differential equations with state-dependent delay”

17:50–18:10 K. M. Pichkhadze, M. B. Martynov, V. A. Vorontsov, V. V. Malyshev, V. E. Usachev, P. V. Merkulov, S. N. Aleksashkin, S. V. Ivanov, R. Ch. Targamadze, “The strategy of guaranteeing control of spacecraft descent and putting space probes into operation under indefinite atmospheric parameters of planets”

18:20–18:40 E. Ron, “Simplified approach to a uniqueness problem of a nonautonomous planar system”

18:50–19:10 V. Flunkert, S. Yanchuk, T. Dahms, and E. Schöll, “Synchronizability of networks with strongly delayed links: a universal classification”

Auditorium 430, 4th Floor

- 15:00–15:30 **N. D. Vvedenskaya**, “A simple market model”
15:40–16:00 **I. V. Kurbatova**, “Some properties of the n -th order operator pencil”
16:20–16:40 **E. A. Kalita**, “Existence of very weak solutions for nonlinear elliptic equations and systems”

Coffee break

- 17:10–17:30 **V. B. Didenko**, “On continuous invertibility and Fredholm property of the differential operators with multivalued impulse effects”
17:50–18:10 **A. V. Pechkurov**, “Bisectorial operator pencils and a bounded-solutions problem”