**March 30 (Tuesday)**

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| **Lectures** |
| 10:45 | Opening |
| 11:00 | Kleptsyn V.A. | GEOMETRIC PROGRESSIONS WITH RANDOM SIGNS AND RANDOM DYNAMICS |
| 12:00 | Pelinovsky E.N. | THE SIMPLEST MATHEMATICAL MODELS OF THE DISTRIBUTION OF CORONAVIRUS |
| **Students’ talks** |
| 13:00 | Zinina Svetlana | Morse- Bott function for topological flows with a hyperbolic chain recurrent set consisting of a finite number of orbits |
| 13:20 | Golikova Juliana | Necessary and Sufficient Conjugacy Conditions for Cartesian Products of Rough Transformations of a Circle |
| 13:40 | Bolbachan Vasily | Functional relations for an elliptic dilogarithm |
| 14:00 | Ivanovsky Leonid | Bifurcations of the zero solution of a system of differential equations with diffusion interaction and additional internal constraint |
| 14:20 | Shavlukov Azamat | Ombilic peculiarity of the solution of the system of equations for the flow of a polytropic gas |
| 14:40 | Alexander Rassadin | Waves of COVID-19 |
| 15:00 | Makovkin S.Yu., Lapteva T., Ivanchenko M.V. | Inhibitory oscillators in multiplex ensembles of models of neuron-glial systems |
| 15:20 | Vladimir Zavyalov | Confocal Slip Billiards and Simulation of Integrable Geodesic Flows |
| 15:40 | Makovkin S.Yu., Gordleeva S. Yu, Ivanchenko M.V. | Astrocyte-induced intermittent synchronization in the ring of inhibitors neurons. |
| **Lectures again** |
| 16:00 | Shilnikov A.L. | RHYTHM-GENERATING NEURAL NETWORKS |

**March 31 (Wednesday)**

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| **Lectures** |
| 10:00 | S. I. Maksimenko | DUALITY OF PONTRYAGIN - VAN CAMPEN FOR LOCALLY COMPACT COMMUTATION GROUPS |
| 11.00 | Paris- Romaskevich O.L. | BILLIARDS IN DEPOSITS |
| 12.00 | Pikovsky A. WITH. | SYNCHRONIZATION: ORDER IN CHAOS |
| **Students’ talks** |
| 13:00 | Irina Sokolova | On the arrangement of a pair of nonsingular curves of degree 2 and nonsingular curve of degree 3 in the real projective plane |
| 13:20 | Vadim Voevodkin | Bifurcation analysis of the 1D Lorenz map for various separatrix values |
| 13:40 | Anton Bogatov | On the existence of an Ehresmann connection for foliations of codimension one on 3-manifolds |
| 14:00 | Alekseeva E. | Remark on Lower and Upper Bounds for Ratio of Complete Elliptic Integrals of the First Kind |
| 14:20 | Belozerov G. | A topological classification of three-dimensional billiards bounded by confocal quadrics |
| 14:40 | Irina Kharcheva | Realization of Fomenko-Zieschang invariants by integrable billiard books |
| 15:00 | Vladislav Kibkalo | Kovalevskaya system in pseudo-Euclidean space: compactness and non-compactness of common level 2-surfaces |
| 15:20 | Pustovoitov S. | Topology of the Liouville foliation of an integrable magnetic billiard |
| 15:40 | Pushkarev D. | Investigation of the synchronization of Hodgkin- Huxley neurons through the influence of synaptic communication |
| 16:00 | Egorova Anastasia | TBA  |

**April 1 (Thursday)**

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| **Lectures** |
| 10:00 | Gorodetsky, A. S. | ABOUT PENROSE MOSAICS, QUASICRYSTALS AND FRACTALS |
| 11:00 | Jochen Glück | SPECTRAL THEORY AND THE ASYMPTOTICS OF LINEAR DYNAMICS |
| 12:00 | Presentation of the Master's Program in Mathematics |