

Program

19 December, Monday

13:00 — 14:00 Peter Hänggi (Augsburg, Nizhny Novgorod) “On the use and abuse of THERMODYNAMIC entropy in physics and elsewhere”

14:00 — 15:00 Alexey Zaikin (Nizhny Novgorod, London) "Noise and intelligence in intracellular gene-regulatory networks"

Discussions

20 December, Tuesday

10:00 — 11:00 Alexey Ustinov (Karlsruhe) “Observing quantum synchronization in arrays of superconducting qubits”

11:00 — 11:45 Andrey Pankratov (Nizhny Novgorod) “Minimizing readout errors in classical and quantum systems”

11:45 — 12:15 Denis Khomitsky (Nizhny Novgorod) “Regular and chaotic dynamics in compact structures formed in topological insulators”

Lunch

13:15 — 14:15 Arkady Pikovsky (Potsdam) “Synchronization of spin-torque oscillators”

14:15 — 15:15 Sergey Denisov (Nizhny Novgorod, Augsburg) "Quantum attractor: asymptotic states of open quantum systems far from equilibrium"

15:30 — 16:00 Arkady Satanin (Nizhny Novgorod) "Microwave parametric down-conversion in superconducting circuits"

16:00 — 16:30 Mikhail Ivanchenko (Nizhny Novgorod) “Quantum bifurcation diagrams”

Closing