



XXVI International Seminar NONLINEAR PHENOMENA IN COMPLEX SYSTEMS

May 21–24, 2019 • Minsk • Belarus

The aim of the Seminar is to provide a single forum for all aspects of nonlinear dynamics in:

Joint Institute for Power and Nuclear Research – "Sosny"
B.I. Stepanov Institute of Physics
National Academy of Sciences of Belarus
Joint Institute for Nuclear Research
Belarusian State University
Institute for Nuclear Problems

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- * **Nuclear power** (*modeling of neutron-physical, thermal-hydraulic and physicochemical processes in nuclear and radiation installations; verification and validation of calculation codes for deterministic/probabilistic analysis of NPP safety; future nuclear reactors, nuclear and radiation technologies, radioactive waste and spent nuclear fuel management*)
- * **Information processing** (*quantum computation and cryptography, neural networks, artificial intelligence, information technology, parallel calculations*)
- * **Mathematical foundations and methods** (*classical and quantum chaos, chaos and tunneling, correlations, dynamical systems, integrable systems, analytical and numerical methods*)
- * **Foundation of electronics and optics** (*nano-, micro-, opto- and quantum electronics, classical and quantum optics*)
- * **Economics, social, biological and chemical systems** (*nonlinear dynamics in economics, social, biological and chemical systems and medicine*)

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Minsk • Belarus

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