

## LPI RAS

Troitsk Branch of Lebedev Physics Institute  
of the Russian Academy of Sciences

LPI RAS is one of the largest Russian research centre. Its history began from the Physical Cabinet of the Kunstammer, established by the decree of Peter the Great in 1714. It gained the status of an independent institute in 1934. Troitsk branch of LPI was set up in 1963. In 2012 Technopark was formed at Troitsk branch of LPI.

**The main research spheres of Technopark:**

- development, investigation, and application of lasers in medicine, information processing, and other fields of science and technology;
- investigation of chemical lasers in the nearinfrared and visible wavelength band and physics of ultrashort laser pulses;
- development, design, and production of scientific instruments and apparatus for physics experiments;
- development of techniques for growing crystals with special properties;
- construction of semiconductor lasers and optoelectronic devices;
- development of laser diagnostics apparatus;
- free electron lasers;
- femtosecond optics and physics of the interaction of ultrapowerful laser fields with matter;
- development of a new generation of quantum frequency standards and precision measurements using highcoherence lasers;
- ultrasensitive intracavity spectroscopy;
- development of techniques for growing laser crystals for the midIR band;
- development of new laser methods and devices for making high-quality components;
- elementary particle physics research in accelerators;
- structure of hadronic and nuclear matter;
- medical lasers for selective skin and eye treatment;
- highstable optical frequency standard and femtosecond optical frequency synthesizers for navigation apparatus;
- mini atomic clock;
- insideresonator laser spectrometer;
- heterogeneous electrochemical capacitors;
- the synthesis of nanoporous and nanosized carbon materials;
- femtosecond laser facilities.

**The following divisions are based at Troitsk branch of LPI:**

- laboratories of the Quantum radiophysics division named after N. Basov;
- Highenergy physics division;
- Technopark of LPI.

At present, LPI has more than 1700 employees, including 843 scientists, among them 25 are members of the Russian Academy of Sciences, 174 are Doctors of Science, and 432 are Candidates of Science.



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Директор с 1994-го  
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*Троицкое обособленное  
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*LPI Troitsk Separate Division*