

## IPT RAS

### Institute on Photon Technologies of Federal Scientific Research Centre «Crystallography and Photonics» Russian Academy of Sciences

The institute was founded in 2016 on a base of Department of Advanced Laser Technologies of Institute of laser and Information Technologies of RAS. The Institute was founded as a Research Center for Industrial Lasers of Russian Academy of Sciences.

In 1998 it was renamed to the Institute of Laser and Information Technologies of RAS (ILIT RAS). Department of Advanced Laser Technologies has been located in Troitsk since 1979.

**The main spheres of scientific research of Institute for Photon Technologies of FSRC 'Crystallography and Photonics' RAS are:**

- biophotonics, optical and information methods for studying of biological objects;
- synthesis of 3D objects with complex topology;
- lasers and laser technologies;
- element base for micro- and nanoelectronics;
- systems and technologies for medicine.



*Здание Института фотонных технологий (ранее ОПЛТ ИФЛИТ)*

*The main office of Institute on Photon Technologies*



*Лауреаты премии Правительства РФ, 2003 г.  
Первый слева – В. Ульянов, к.т.н.; премия за разработку и внедрение трансмиокардиальной лазерной реваскуляризации – метода лечения неоперабельных больных.  
Второй справа – акад. В. Панченко; премия за за исследование, разработку и внедрение в промышленность комплексной системы автоматизации предприятия на базе современных информационных технологий*

*The Russian Government Prize Winners, 2003*

At present, 1 member of Russian Academy of Sciences, 8 Doctors of Science and 25 Candidates of Science work at the Institute. The scientists have been awarded national and international prizes for their scientific achievements.



*Е. Хайдуков, один из разработчиков метода ИК фотодинамической терапии на основе наноконверсионной апконвертирующей наночастица/рибофлавин. занесение на Доску почёта, 2015 г.*

*E. Khaydukov, one of the developers of near infrared photodynamic therapy based on upconversion nanoparticles and vitamin B2 for cancer treatment. Entry on the board of honor, 2015*