

Jubilee session of the FIAN and IOFAN Research Councils marking 300 years since the beginning of physical science research in Russia and 80 years of FIAN (28 April 2014)

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A joint session of the Research Councils of the Lebedev Physical Institute of the Russian Academy of Sciences (FIAN) and the Prokhorov General Physics Institute of the Russian Academy of Sciences (IOFAN) marking 300 years since the beginning of physical science research in Russia and 80 years of FIAN was held on 28 April 2014 at the conference hall of the Lebedev Physical Institute, Russian Academy of Sciences (RAS).

The agenda of the session, announced on the website <http://www.lebedev.ru> of the Lebedev Physical Institute listed the following reports:

Jubilee session

- (1) **Fortov V E**, President of the Russian Academy of Sciences, “300 years of physical research in Russia”;
- (2) **Mesyats G A**, Director of the Lebedev Physical Institute, RAS, “LPI: past and present”;
- (3) **Shcherbakov I A**, Director of the Prokhorov General Physics Institute, RAS, “History of the development of lasers”;
- (4) **Baturin Yu M**, Director of the Vavilov Institute for the History of Science and Technology, “‘Kunstkamera’ and the development of physics in the 18th–20th centuries”.

Scientific session

- (5) **Kardashev N S** (Astro-Cosmic Center, Lebedev Physical Institute, RAS) “Modern cosmic radio astronomy: results and prospects”;
- (6) **Kochiev D G, Shcherbakov I A** (Prokhorov General Physics Institute, RAS) “Lasers in medicine”;
- (7) **Kolachevsky N N** (Lebedev Physical Institute, RAS) “Precision laser spectroscopy in fundamental studies”;
- (8) **Kryukov P G** (Lebedev Physical Institute, RAS) “Powerful femtosecond lasers”;
- (9) **Pudalov V M** (Lebedev Physical Institute, RAS) “New high-temperature superconductors: research and prospects”;
- (10) **Demikhov E I** (Lebedev Physical Institute, RAS) “Magnetic resonance imaging”.

Videos of the reports are posted on the website <http://www.lebedev.ru/ru/sci-council.html?id=567> of the Lebedev Physical Institute.

Many aspects of FIAN’s history highlighted in report 2 are reflected in the article by G A Mesyats [1] dedicated to the 75th anniversary of FIAN (2009) and published in *Uspekhi Fizicheskikh Nauk (Physics–Uspekhi)*. The content of report 3 is partly covered in the article by I A Shcherbakov [2], and the content of report 6 in Ref. [3]. The subject of report 8 is close to that of P G Kryukov’s paper [4] published in *Physics–Uspekhi*. Certain aspects of report 9 are reflected in Refs [5–7]. The review articles extending reports 5 and 7 are published in the present issue (pp. 1199 and 1230, respectively).

References

1. Mesyats G A “P N Lebedev Physical Institute RAS: past, present, and future” *Phys. Usp.* **52** 1084 (2009); “Fizicheskii institut im P N Lebedeva RAN: proshloe, nastoyashchee, budushchee” *Usp. Fiz. Nauk* **179** 1146 (2009)
2. Shcherbakov I A “Development history of the laser” *Phys. Usp.* **54** 65 (2011); “K istorii sozdaniya lazera” *Usp. Fiz. Nauk* **181** 71 (2011)
3. Shcherbakov I A “Laser physics in medicine” *Phys. Usp.* **53** 631 (2010); “Lazernaya fizika v meditsine” *Usp. Fiz. Nauk* **180** 661 (2010)
4. Kryukov P G “Continuous-wave femtosecond lasers” *Phys. Usp.* **56** 849 (2013); “Nepreryvnye femtosekundnye lazery” *Usp. Fiz. Nauk* **183** 897 (2013)
5. Pudalov V M, Omel’yanovskii O E, Khlybov E P, Sadakov A V, El’tsev Yu F, Mitsen K V, Ivanenko O M, Pervakov K S, Gizarulin D R, Usol’tsev A S, Dormidontov A S, Gavrilkin S Yu, Tsvetkov A Yu, Ponomarev Ya G, Kuzmichev S A, Mikheev M G, Chesnokov S N, Shanygina T E, Kazakov S M “V L Ginzburg and the development of experimental work on high-temperature superconductivity at LPI: ‘iron superconductors’” *Phys. Usp.* **54** 648 (2011); “V L Ginzburg i razvitiye v FIANE eksperimental’nykh rabot po vysokotemperaturnoi svrkhprovodimosti: ‘zheleznye svrkhprovodniki’” *Usp. Fiz. Nauk* **181** 672 (2011)
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