

60th anniversary of the Vereshchagin Institute for High Pressure Physics of the Russian Academy of Sciences (Scientific session of the Physical Sciences Division of the Russian Academy of Sciences, 25 April 2018)

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Vereshchagin Institute for High Pressure Physics, Russian Academy of Sciences

A scientific session of the Physical Sciences Division of the Russian Academy of Sciences (RAS) devoted to the 60th anniversary of the Vereshchagin Institute for High Pressure Physics of RAS was held on 25 April 2018 in the conference hall of the Vereshchagin Institute for High Pressure Physics (IHPP) (Troitsk, Moscow).

The agenda comprised the following reports:

(1) **Stishov S M** (Vereshchagin Institute for High Pressure Physics RAS, Troitsk, Moscow) “Scientific research at IHPP RAS”;

(2) **Sidorov V A** (Vereshchagin Institute for High Pressure Physics RAS, Troitsk, Moscow) “Quantum phase transitions under high pressure in c-, d-, and f-electron systems”;

(3) **Ekimov E A** (Vereshchagin Institute for High Pressure Physics RAS, Troitsk, Moscow) “Carbonization of organic compounds and formation of nanodiamonds at high static pressures”;

(4) **Struzhkin V V** (Geophysical Laboratory, Washington, USA) “High-pressure synthesis of polyhydrides: theoretical and experimental methods”;

(5) **Bud’ko S L** (Ames National Laboratory of the United States Department of Energy, USA) “Pressure spectroscopy — an application for iron-based superconductors”;

(6) **Fomin Yu D** (Vereshchagin Institute for High Pressure Physics RAS, Troitsk, Moscow) “Complex phase diagrams of a system with isotropic potentials: results of computer simulation”;

(7) **Filonenko V P** (Vereshchagin Institute for High Pressure Physics RAS, Troitsk, Moscow) “Diamond-based superhard composites: new synthesis approaches and perspectives for application”.