

Earth embosomed by the Sun: heliophysics and space weather

(Scientific session of the Physical Sciences Division of the Russian Academy of Sciences, 5 June 2019)

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On 5 June 2019, the Physical Sciences Division of the Russian Academy of Sciences (RAS) held a scientific session, entitled “Earth embosomed by the Sun: heliophysics and space weather” in the Conference Hall of the Lebedev Physical Institute, RAS.

The meeting proceedings include the following presentations:

(1) **Bogachev S A** (Lebedev Physical Institute, Russian Academy of Sciences, Moscow; Samara National Research University, Samara) “Microflares and nanoflares in the solar corona”;

(2) **Petrukovich A A** (Space Research Institute, Russian Academy of Sciences, Moscow), **Malova H V**, **Popov V Yu**, **Maiewski E V**, **Izmodenov V V**, **Katushkina O A**, **Vinogradov A A**, **Riazantseva M O**, **Rakhmanova L S**, **Podladchikova T V**, **Zastenker G N**, **Yermo-**

laev Yu I, **Lodkina I G**, **Chesalin L S** “Modern view of the solar wind from micro to macro scales”;

(3) **Kuznetsov V D**, **Osin A I** (Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation (IZMIRAN), Russian Academy of Sciences, Troitsk, Moscow) “Heliophysics: from observations to models and applications”;

(4) **Panasyuk M I** (Lomonosov Moscow State University, Skobeltsyn Institute of Nuclear Physics, Moscow) “Radiation fields in outer space and planning for space missions”;

(5) **Frederiks D D** (Ioffe Institute, St. Petersburg), **Lysenko A L**, **Svinkin D S**, **Ulanov M V**, **Tsvetkova A E**, **Aptekar R L** “X-ray and gamma-ray emission from solar flares”.

The paper versions of talks 1–3 and 5 are presented further on in this issue.