

IZMIRAN

Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation of the Russian Academy of Sciences

Founded in 1939. Became a department of the USSR Academy of Sciences in 1959. In 2004 the Institute was named after N.V. Pushkov.

The main spheres of research:
magnetism of the Earth and planets;
ionosphere and radio wave propagation;
solarterrestrial physics;
scientific instrumentation.

The crucial year in the history of IZMIRAN was 1957. The launch of the first Artificial Earth's Satellite (AES) marked the advent of space era in the investigations the Institute was mainly engaged in, i.e., terrestrial magnetism and ionosphere.

In 1960 a group of scientists including N. Pushkov was awarded Lenin Prize for the world's first magnetic measurements on AES. 1957 was proclaimed the International Geophysical Year. Within the frames of this program, IZMIRAN carried out largescale studies in the fields of terrestrial magnetism, ionosphere, and solarterrestrial physics.

A number of challenging projects on the study of nearEarth space, solar activity, and its geophysical impacts have been implemented at IZMIRAN during its long history. Besides the satellite measurements of the Earth's magnetic field, the scientists of IZMIRAN have carried out the internationally known ionospheric studies on the 'Interkosmos' series satellites, such as 'Interkosmos-19', APEX, etc. The most important recent project carried out within the frames of the Federal Space Program has been the international mission CORONAS-F aimed at the study of solar activity and its impact on the Earth.

A series of experiments on exploring the Earth ionosphere and atmosphere are under way on board the Russian Segment of the International Space Station. New experiments are being prepared for the development and testing of advanced scientific equipment for deepspace studies.

The Institute takes part in the development of new space projects aimed at the study of solar activity and its influence on the Earth, such as the Interhelioprobe mission. The research program of the mission will involve observations of the Sun and detailed insitu measurements of the solar corona from short distances on the basis of extensive international cooperation.

The Centre of Geophysical Forecasts established at IZMIRAN is using the vast information on solar activity to supply various users with the forecast of geomagnetic activity and conditions in nearEarth space. The latest information on geomagnetic conditions is available through the Internet on the site forecast.izmiran.ru and by the phone (+7(495)775-43-57, +7(495)851-19-34).

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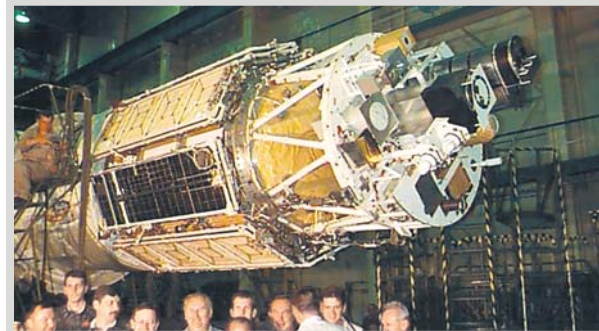


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Спутник КОРОНАС-Ф

KORONAS-F satellite



Башенный солнечный телескоп

Solar Telescope