

CHIEF EDITOR FOREWORD

In the real world great attention is paid to such factors as the data reliability, collection efficiency and cost minimization. So, remote sensing (RS) methods have undeniable advantages and opportunities in this case.

RS is one of the most impressive “practical outputs” of space technologies. Today, RS is used in a wide range of “earthly” issues and missions – environmental management, natural resources conservation, public safety etc. From year to year the variety of remote sensing sensors operated in space and number of countries that are engaged to the space program are growing.

It is possible to say that today the RS provided interdisciplinary and high-tech research direction. Main content of one is the development and study of principles, theoretical foundations, methods, technologies and engineering for remote monitoring and study of objects, processes and phenomena on the Earth surface and in the near-surface layers.

Development of remote sensing techniques and technologies and their practical implementation take a significant role in Ukrainian National Space Program. In our country, a lot of government organizations and leading scientific institutions systematically and successfully work in the field of remote sensing. Their employees develop and introduce new efficient remote sensing methods for actual scientific and practical applications. Private companies use remote sensing techniques in their activity too. Leading universities have syllabuses for RS specialists training. High qualification scientific personnel are learned by the relevant institutions of the Ukrainian National Academy of Sciences, including the Centre for Aerospace Research of the Earth (CASRE).

Unfortunately, up this time there wasn't special journal on remote sensing in Ukraine. It is not typical for “space club” countries. Therefore, at the beginning of this year the Department of Earth Sciences, Ukrainian National Academy of Sciences decided to issue digital Ukrainian Journal of Remote Sensing.

Dear Reader and Colleague,

today I have the great opportunity to present you the first issue of the Ukrainian Journal of Remote Sensing. It highlights new results of science and practice in RS, theoretical foundations, scientific conclusions, the results of experimental studies, vexed questions, new concepts and hypotheses etc.

The journal is issued quarterly. Home page of the journal is www.ujrs.org.ua/ujrs.

The journal has sections:

- the scientific fundamentals of remote sensing;
- methods and techniques for processing and interpretation of aerospace information;
- remote sensing data applications.

Papers can be submitted in Ukrainian, Russian or English. All requirements for paper submission can be found in the journal. Editorial e-mail: info@ujrs.org.ua.

The journal is intended for a wide range of experts, researchers, lecturers, engineers, PhD and graduate students.