



CURRENT PUBLICATIONS ON GEODESY IN RUSSIA

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In the last few decades a research activity in geodesy has been dynamically growing. It is caused by such factors as the appearance of new methods of observations and improvement of old ones as well as a development on their basis new instruments, techniques and technologies

The analysis of scientific publications on geodesy has allowed following up implementation dynamics of research activities in this field, revealing more actual areas, and evaluating the most significant achievements

The Abstract Journal "Geodeziia i aerofotos'emka" (Geodesy and Aerial Photography) is an information leader of scientific editions in Russia.



CLASSIFICATION HEADINGS

- General information
- Theoretical geodesy
- Fundamental onshore surveying works
- Marine geodesy
- Astrogeodesy
- Gravimetry
- Space geodesy
- Surveying procedures used for solution of geodynamic problems
- Topography, Phototopography
- Control network densification
- Aerial surveys in generation of topographical maps
- Photogrammetry
- Topographic interpretation
- Topographic and special-purpose maps and plans. Digital terrain models (DTMs)
- Compilation, editing and updating of topographic and special-purpose maps
- Applied geodesy. Applied application of aerial photography and photogrammetry (in
 - construction and transport, mineral deposit exploration, land management, water management and natural resources management, architecture, archeology and medicine)
- Mathematical processing of geodetic observations
- Surveying instruments



The number of abstracts in classification headings for 2006

General information	237
Theoretical geodesy	84
Problems of space geodesy and surveying procedures for solution of geodynamic problems	60
Topography	113
Applied geodesy	194
Mathematical processing of geodetic observations	100



Today about 110 academic journals are abstracted and among them are the well-known geodetic journals, namely, "Geodeziia i kartografiia" (Surveying and Mapping) issued by the Federal Service of Geodesy and Cartography of Russia ("Roskartografiia") and "Izvestiia VUZov. Geodezia i aerofotos'emka" (Proceedings. Geodesy and Aerial Photography) issued by Moscow State University of Geodesy and Cartography (MIIGAik), which will celebrate its 228th anniversary this year.



Most scientific publications on geodesy are given in the following academic journals:

- "Geodeziia i kartografiia": www.roskart.gov.ru
- "Geodezist": www.patris.ru/company/html/
- "Izvestiia VUZov. Geodezia i aerofotos'emka": www.miigaik.ru
- "Aviakosmicheskoe priborostroenie" www.credo-dialogue.com/publication/publication_3.html/
- "Vestnik Moskovskogo gosudarstvennogo universiteta": www.fmsu.ru
- "Vestnik Sibirskoi gosudarstvennoi geodezicheskoi akademii": www.ssga.ru
- "Geoprofi": www.geoprofi.ru
- "Zemlia i vseleeniia" (www.ziv.telescopes.ru)
- "Issledovaniia Zemli iz kosmosa": www.maik.ru
- "Novosti kosmonavtiki" (News of Astronautics): www.novosti-kosmonavtiki.ru
- "Trudy IPA RAN": www.ipa.nw.ru/PAGE/EDITION/transaction.html/
- "Information Bulletin" of GIS-Association: www.gisa.ru/ib.html/

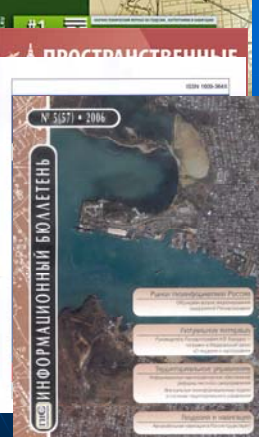


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Most publications on geodesy/surveying are the results of the following conferences:

- "Saint Petersburg International Conferences on Integrated Navigation Systems" organized by the Central Scientific & Research Institute "Elektropribor"; www.elektropribor.spb.ru/cnfi/cins06/en/frstet.html/
- "International Aerospace Congress" dedicated to the 100th anniversary of aeronautics.
- "Remote Sensing of Ground Covers and Atmosphere by Aerospace Facilities" organized the Russian State Hydrometeorological University (RSHU); www.ras.ru/sntactions/2004/action.aspx/, www.rshu.ru
- The International Scientific and Industrial Forum "Great Rivers"; www.unesco.ngasru.ru/, www.ngasru.ru/indexeng.php/
- "Modern Problems on Geodesy and Optics" organized by Siberian State Academy of Geodesy; www.ssga.ru
- "The International Exhibition and the Congress "GEO-Siberia" organized by the Siberian Fair and Siberian State Academy of Geodesy"; www.geosiberia.ssga.ru, www.geosiberia.sibfair.ru
- "Contemporary Problems of Information Technologies and Satellite Monitoring"; www.iki.rssi.ru/eno/index.htm/
- "The International Forum on Problems of Science, Technology and Education" organized by the Russian Academy of Geosciences; www.milpaik.ru
- "The Fourth All-Russian Open Science Conference on Earth Observations from Space" organized by the Space Research Institute of the Russian Academy of Sciences, etc

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Progressive and dynamically developing editions are "Information Bulletin" of GIS-Association (www.gisa.ru/ib.html/), "Geoprofi" (www.geoprofi.ru/), "Geodezist" (www.patris.ru/company.html/), "Spatial Data" (www.gisa.ru/pd.html/), "Geoinformation" (www.geosys.ru/pages/cenisc.html/), and "Avtomatizirovannye tekhnologii izyskaniia i proektirovaniia" (Automated Technologies for Surveying and Designing) (see: http://www.credialogue.com/publication/publication_3.html/), etc.

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CONCLUSIONS

- There is an effective system in Russia actively used to publish the results of research activities in general and in the field of geodesy in particular.
- The most meaningful journals (about 100) and proceedings of conferences (about 150) are abstracted in the Abstract Journal Geodezija i aerofotos'emka" (Geodesy and Aerial Photography). The following foreign editions Allgemeine Vermessungs-Nachrichten, Geodeticky a Kartograficky Obzor, GIM International, IEEE Transactions, Geoscience and Remote Sensing, ISPRS Journal of Photogrammetry and Remote Sensing, Navigation (France), Geodezija i Kartografija, Bulletin of the Society of Cartographers, Zeitschrift fuer Photogrammetrie und Fernerkundung, Zeitschrift für Vermessungswesen, Vermessungsingenieur, Nachrichten aus dem Karten- und Vermessungswesen, Geodezija és kartografia, Bulletin géodésique, Zeitschrift für Vermessungswesen: Z. Geodäsie, Geoinformation und Landmanagement, etc. are abstracted
- There is a tendency towards the increase of publications on geodesy/surveying in scientific periodicals and actual proceedings of conferences as well.
- Today satellite geodesy, geoinformation, photogrammetry and laser scanning are of significant interest.
- Due to rapid developments of advanced technologies, new editions on such priority directions as geodesy, cartography, optics, cadastres, geodynamics, remote sensing, geoinformation, natural resources management, and geoecology are expected to appear.

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HOW TO SUBSCRIBE?

To subscribe for some periodicals on geodesy, you may visit the site of a subscription agency "Inform-Systema" (Subscription Agency and Booksellers "Inform-Systema"): <http://www.informsystema.ru/shop/>

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The International Exhibition and Scientific Congress "GEO-Siberia", Novosibirsk, the Russian Federation



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The International Exhibition and Scientific Congress "GEO-Siberia"

2005

Exhibitors: About 100 Russian and foreign companies
Congress participants: 1,500 from more than 70 cities of Russia and foreign countries
General topics:

Surveying, Cartography and Mine Surveying; Land Management, Land Cadastre and Real Estate Cadastre, Forestry Management; Geoinformation; Environmental Monitoring, Geoecology and Remote Sensing of the Earth; Geology, Geophysics, Geodynamics and Geochemistry; Customized Instrumentation and Metrology

Technical sessions: 23
Number of presentations: 500
Proceedings: 9 volumes on paper and CD-ROM

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The International Exhibition and Scientific Congress "GEO-Siberia"

2006

Exhibitors: About 100 Russian and foreign companies
Congress participants: 1,200 and among them 30 foreign professionals
General topics: Surveying, Cartography and Mine Surveying; Land Management, Land Cadastre and Real Estate Cadastre, Forestry Management; Geoinformation; Environmental Monitoring, Geoecology and Remote Sensing of the Earth; Geology, Geophysics, Geodynamics and Geochemistry; Customized Instrumentation and Metrology; Mineral Resources Management, Gas, Oil
Technical sessions: 25
Number of presentations: 510
Proceedings: 8 volumes on paper and a CD-ROM

The International Exhibition and Scientific Congress "GEO-Siberia" 2007

Exhibitors: 150 Russian and foreign companies
Congress participants: more than 1200 and 40 foreign professionals
General topics:
Surveying, Geoinformatics, Cartography and Mine Surveying; Environmental and Real Estate Economics. Land Management, Forestry Management and Cadastres;
Remote Sensing of the Earth and Photogrammetry Environmental Monitoring, and Geoecology; Customized Instrumentation, Thermophysics, Microtechnics, and Metrology; Mineral Resources Management, New Trends and Technologies of Mineral Deposits Exploration; Problems of General Engineering and Humanities
Technical sessions: 27
Number of presentations: 657
Proceedings: 9 volumes on paper and a CD-ROM

"GEO-Siberia-2007"

Exhibitors and Congress Participants



Announcement