

INTERNATIONAL SCIENTIFIC CONFERENCE "GEOFORUM" – 20 YEARS

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Army Academy

ISTC "Geoforum" is well-known in Ukraine and the world, the traditional annual international scientific and technical conference, which is held with the support of FIG, geodetic and cartographic societies and unions of Ukraine, Europe and the world; Government agencies, educational, scientific, and industrial establishments; the world's famous manufacturers of geodetic and plotting equipment and software.

The first ISTC "Geoforum" took place in Lviv in 1995, after the publication of the Presidential Decree No. 110/95 of 07.02.1995 r. installation professional holiday staff of geology, Geodesy and cartography of Ukraine. This holiday was celebrated in the first Sunday of April. The Conference immediately became international because its work was attended by experts from Poland and the Czech Republic.

Venue ISTC "Geoforum" mainly elected Yavoriv training area in the outskirts of Lviv, and in some cases the sanatorium "Shklo" and the suburban area of Lviv-Bryukhovychi. Traditionally, the Conference working plenary and sectional sessions, presentations, organizations and firms, the exhibition of the new geodetic equipment, software, scientific and educational literature; held round tables, discussion meetings, business, scientific and technical and social meetings and negotiations, technical and regional excursions, etc.

For 20 years specialists attended the holding of international conferences «Geoforum» in their work from all regions of Ukraine and the 25 countries of Europe and the world. Among the participants were researchers, government leaders and public figures, for example, Yaroslav Jackiv is President of the Astronomical Association, academician of NAS of Ukraine, Director of the main Astronomical Observatory, a member of the Presidium of Academy of Sciences of Ukraine; Anatoly Bondar, Ivan Makarenko, Rostislav Sossa, Ivan Zayets, Maxim Martynyuk is the head of the State service of Geodesy, cartography and cadastre; Professor Holger Magel, President of FIG, Dr. Markku Villikka – Vice President of FIG; Dr.

Vasiliy Kirijak – Secretary of the European Association of Surveyors; Presidents of surveying companies: Poland-Krzysztof Cisek, Slovakia – Dr. Dusan Ferianc, and a number of other countries; Rectors of National University "Lviv Polytechnic", Professor Yuriy Rudavskiy and Yriy Bobalo; The head of the Army Academy Professor, Lieutenant-General Pavel Tkachuk, and many other prominent leaders and experts.

Difference ISTC "Geoforum" from other conferences were conducting military and student-doctors of sections, as well as rewarding the best industry professionals and public figures Awards, diplomas and gifts.

TWENTIETH Jubilee International Scientific and technical conference "Geoforum 2015" took place from 22 to 24 April 2015 in Lviv, Briukhovychi and at the Yavoriv training ground. This Conference, like all previous ones, was devoted to the anniversary of the professional holiday of employees of geology, Geodesy and cartography of Ukraine.

Information about the Conference in advance was posted on the website of the Society: <http://www.zgt.com.ua/> and spread through the known scientific and technical journals: "Modern achievements of geodetic science and production" and "Bulletin of Geodesy and cartography" (Ukraine), "GEODETA" (Poland), GIM (the Netherlands), through the monthly information releases FIG. Invitation to the "Geoforum 2015" in advance were sent out to various institutions and organizations of Ukraine and many countries of the world.

The Organizing Committee ISTC "Geoforum 2015" was headed by academician NAS of Ukraine, Director of the main Astronomical Observatory NAS of Ukraine Yaroslav Yatskiv, President of the Ukrainian society of Geodesy and cartography Professor Igor Trevoho, the head of the State service of Ukraine for Geodesy, cartography and cadastre Maxim Martyniuk. The composition of the Committee comprised researchers and experts from the four countries.

Traditionally, the Organizer ISTC "Geoforum 2015" was West geodetic society of UTGK under the auspices of the Ministry of education and science and the National University "Lviv Polytechnic", the Defence Ministry and army Academy, other ministries, departments and enterprises and organizations in the sphere of Geodesy, cartography and cadastre of Ukraine.

In the Conference took part scientists, teachers, employees of enterprises and organizations in sphere of Geodesy, cartography and cadastre of Ukraine and adjacent areas. Among them were officials, heads of the enterprises, scientific and educational institutions, 11 professors, more than 30 candidates, researchers, post-graduate students and students from different regions of Ukraine, Poland, Czech Republic, Germany, Latvia, Lithuania, Moldova, Irak, Russia and Belgium.

To the beginning of another world in ISTC issue collection of scientific works Western geodetic society of modern achievements of geodetic science and production.

The President of the UTGK Professor I.Trevoho opened the Conference. Opening of the Conference with the introduction of the flag-standard Society was accompanied by the State Anthem of Ukraine is performed by brass in the Orchestra Academy of the land forces of the Ministry of Defense of Ukraine.

Greeting the participants ISTC "Geoforum 2015" from State service on geodesy, cartography and cadastre addressed to the Director of topographic-geodetic and cartographic activity Ivan Zayets. On behalf of National University "Lviv Polytechnic" word was Director of the Institute of Geodesy, Professor KornyljTretyak. From army Academy deputy head of Colonel AndreySlusarenko. Congratulations were: Board member of the Association of Surveyors of Poland Krzysztof Cisek, Secretary General of the Association of European surveyors VasilijKiryak, Director of the Czech Scientific-Research Institute of Geodesy, topography and cartography Karel Radej, delegations from the Baltic States – the Latvian Agricultural University VeltaParshova.

From the occasion of professional holiday and the 20th Anniversary Conference "Geoforum" rewarding of well-known specialists from Ukraine and abroad. Honorary distinction "Honorary surveyor of Ukraine" awarded the Director of the private

enterprise "Zahidzem" (Chernivtsi), Member of the Board of the WGS UTGK Vitalij Kilaru. A memorial plaque were awarded with "MedalUTGK": Board member of SGP Krzysztof Cisek (Rzeszow), Director Research Institute of Geodesy, cartography and topography, Dr. Karel Radej (Prague) and Director of AGP VitalijShavuk (Pyatigorsk). Honorary distinction "For services in geodesy and cartography" of the 3rd degree received: Boris Chetverikov, National University "Lviv Polytechnic" (Lviv), entrepreneur Yaroslav Kishchak (Lviv) and Dr. Zbigniew Sejka (Krakow). Mementos presented: Director of the Institute of Geodesy Professor KornyljTretyak and Chief of the army Academy by Peter Sagajdachny, Professor, General-Lieutenant Pavel Tkachuk. A number of experts were presented certificates of the Society and Atlas "Tour necklace of Ukraine".

During the Conference held on presentation of geodetic literature of Publishing House of the Lviv Polytechnic, products of a number of companies and organizations. Working exhibition of geodetic techniques and technologies from companies Leica Geosystems "System Solutions" (Kyiv), TNT TPI, surveyor's navigation Center (Kharkiv), Here Nokia (Kiev), "Polymer concrete HB" (Ukraine-Germany), GeoVivat (Lviv).

The scientific program of the Conference consisted of a plenary session, which was handed down eight reports and five sections, which in General was heard more than 70 reports.

On the section "Geodesy and Geodynamics", headed by Professor S.Savchuk, presentation of scientific developments in the field of theoretical and applied issues of Geodesy and Geodynamics (O.Tadeev, Y.Lukyanchenko, B.Dzhuman, L.Polyakovska, S.Dosin, E.Shilo, A.Vovk), satellite technology (S.Savchuk, Z.Sejka, A.Celms, S.Doskich), the impact of troposphere and ionosphere on the satellite measurements (M.Pazyak, I.Giryak), functioning stations compatible astronomical, geodesic and geophysical observations (A.Gozhij), the calibration of the leveling (E.Muller).

On the section "Photogrammetry, cartography, GIS" (heads of Professor H.Burshtynska and Professor A.Lyashchenko) took 11 reports. The greatest interest caused the appearances of doctor O.Ivanchuk, professors: H.Burshtynska,

A.Lyashchenko, V.Glotov and O.Kulikovska, I.Dolynska, H.Marusazh, R.Abdallah and others.

In the program section "Engineering Geodesy" was heard 19 reports from 21 of the 6th scheduled. By section Professor K.Burak and doctoral student S.Perij. Mostly all of the report mark interesting and promising research results. The greatest interest caused the speeches of Professor K.Burak, doctoral student S.Perij, assistant S.Petrov, senior teacher I.Sidorov and others.

On the section "Cadastre and land management" chaired by professors L.Perovich and V.Parshova were heard the report on problems of management and use of land in Ukraine and the Baltic States, the regulatory evaluation of land, registration of land and the improvement of the cadastral system.

On the section "Military surveying and GIS technologies" (leaders of the professors I.Trevoho, V.Korolev and A.Slusarenko) brought together 20 experts and scholars. Of the report were devoted to geoinformatic providing MAT, test complex of Basalt-LPR, the effectiveness of the surveillance systems of ground moving objects, areas of development of satellite navigation in the mat.

For the participants of ISTC "Geoforum 2015" were held technical and regional excursions on a training polygon, a military testing ground and historical places and monuments of UNESCO ancient city.

At the final plenary session were summed up held a Conference based on which adopted resolution XX ISTC "Geoforum-2015".

ISTC took place in the period from 22 to 24 April 2015 in Lviv-Briuhovychi-Yavoriv. In General, the Conference has taken more than 160 scholars, educators, graduate students and students, producers, military experts, representing almost all regions of Ukraine and foreign countries: Poland, Germany, Czech Republic, Latvia, Lithuania, Moldova, Iraq and Belgium. Hearing and listening about 80 papers (8 at the plenary, the rest to 5 breakout sessions), ISTC took the following determination:

To appeal to the President of Ukraine and the Cabinet of Ministers of Ukraine with the request: given that the geodesic sphere caters to virtually all areas of economy, science and defense of the country, separate from State service on geodesy, cartography and cadastre

(Derzhgeokadastr) a separate organ, which would have dealt with the issues of Geodesy and cartography for all sectors of the economy and defense of the country, and give it the status of a State organ of executive power.

Contact the Ministry of education and science of Ukraine with suggestions: focus training of master geodetic specialties only in 3-4 centers in Ukraine.

Contact the Ministry of Defense of Ukraine with suggestions:

- to speed up measures for the return of the military training Academy cadets in geodetic army specialties and provide discipline navigation» General status;
- solve the issue of supply adopted by the Ukrainian military geographic information, navigation and other similar systems to the army Academy and other educational military establishments;
- to carry out certification of modernized and developed systems of navigation, topogeodesical and geospatial software for Geodesy reference basis of Yavoriv geodesic polygon;
- foresee in terms of scientific activity of the ground forces of the Armed Forces of Ukraine at 2016 SRW to develop requirements for GIS to complexes of automated management by land forces.

Refer to the State service on geodesy, cartography and cadastre of the proposals:

- to speed up the improvement of expert of Ukraine;
- complete the implementation of the new reference coordinate system UIC-2000 in all spheres of its use, speed up the transfer of existing materials inventory from zniman' and implement the new coordinate system UIC-2000;
- lay the technical and normative-legal basis creating networks of active reference GNSS stations in Ukraine;
- increase the regulatory performance value on the topographic-geodetic works not less than two times, on the basis of objective economic circumstances in the country.

The attention of interested enterprises and organizations on the possibility of using basic GNSS reference network and geodetic basis in Yavoriv district, Lviv oblast for metrological certification and checking the receivers of satellite signals, electronic total station, lightrange finders, laser tape measures.

Given the high level of interest ISTC "Geoforum", consider the need to continue the practice of holding such conferences. Following ISTC "Geoforum 2016" to hold the 13-15 April 2016.

Provide information about the Conference to foreign participants for her spread in mass media (Internet sites, magazines, collections, etc.).

Determination ISTC "Geoforum 2015" was publish send to the administration of the

President of Ukraine, Cabinet of Ministers of Ukraine, Ministry of education and science of Ukraine, Ministry of defence of Ukraine State service of Ukraine for Geodesy, cartography and cadastre, military-topographical governance, scientific, educational, project and production organizations and all participants of the Conference.

In General, the atmosphere of the Conference testifies to the interest of geodetic public problems and faith in its future.