

## ORGANIZING COMMITTEE:

### Conference co-chairmen:

**Ihor Trevoho** – President of Public Union “Ukrainian Society of Geodesy and Cartography”, Doctor of Sciences, Professor, Lviv, Ukraine

**Yaroslav Yatskiv** – Director of Main Astronomical Observatory, Academician at the National Academy of Sciences of Ukraine, Kyiv, Ukraine

**Andriy Halaida** - Head of Department of the State Service of Ukraine for Geodesy, Cartography and Cadastre, Kyiv, Ukraine

### Scientific Committee:

**Kornyliy Tretyak** – Director of the Institute of Geodesy at Lviv Polytechnic National University, Doctor of Sciences, Professor, Lviv, Ukraine

**Pavlo Tkachuk** – Head of Hetman Petro Sahaidachnyi National Army Academy, Colonel-General, Doctor of Sciences, Professor, Lviv, Ukraine

**Valentyn Maksymchuk** – Carpathian branch S. I. Subbotin’s Institute of geophysics, Ukrainian National Academy of Sciences, Corresponding Member of the NAS of Ukraine, Doctor of Sciences, Lviv, Ukraine

**Yuriy Karpinskiy** - RIGK, head of the KNUBA department, Doctor of Sciences, Professor, Kyiv, Ukraine

**Natalia Kablak** – professor of the Uzhhorod National University, doctor, professor, Uzhgorod;

**Janusz Walo** – President of the Polish Society of Geodesy, Professor of the Warsaw Polytechnic, Doctor of Sciences, Professor, Warsaw, Poland

**Wilhelm Heger** – Doctor of Sciences, Professor at Neubrandenburg University of Applied Sciences, Neubrandenburg, Germany

**Armands Celms** – Dean at Latvian University of Life and Environmental Sciences, Doctor of Sciences, Professor, Elgava, Latvia

**Zbigniew Siejka** – Doctor of Sciences, Professor at University of Agriculture in Krakow, Poland;

**Thomas Willemsen** - Dean at University of Applied Sciences, Doctor of Sciences, Professor, Neubrandenburg, Germany

### Executive Committee:

**Borys Chetverikov** – Doctoral student at Lviv Polytechnic National University, Doctor, Lviv, Ukraine

**Tetyana Hrytsyk** – Member of the board of WGS, Doctor, Associated Professor, Rivne-Varash

**Oleg Ivanchuk** – Member of the board of WGS, Doctor of Sciences, Professor. at Volyn National University named after Lesya Ukrainka, Lutsk

**Nazar Stupen** – Member of the board of WGS, Doctor of Sciences, Professor at Lviv Polytechnic National University, Lviv, Ukraine

**Viktor Lozynskyy** – Engineer at Lviv Polytechnic National University, Doctor, Lviv, Ukraine

**Olena Vanchura** – Engineer at Lviv Polytechnic National University, Lviv, Ukraine

**Vitaliy Kilaru** – Member of the board of WGS, Director of “Zachidzem”, Chernivtsi, Ukraine

**The leading firms and enterprises will participate in the exhibition of up-to-date geodetic and photogrammetric equipment, software products and cartographic production.**

«*Geodesy for development and progress*»

April 10-12,  
2024



Lviv - Brukhovychi,  
Ukraine

# G E O F O R U M - 2 0 2 4

the XXVII International Scientific and  
Technical Conference

dedicated to the anniversary of the professional holiday of  
geologists, land-surveyors and cartographers of Ukraine

Invitation  
and general programme

Conference organizer:

WESTERN GEODETIC SOCIETY USGC

### Under the auspices of:

- Ministry of Education and Science of Ukraine
- Ministry of Defence of Ukraine
- NAS of Ukraine
- Lviv Polytechnic National University, Lviv
- Hetman Petro Sahaidachnyi National Army Academy
- State Service of Geodesy, Cartography and Cadastre
- FIG – International federation of geodesists
- CLGE – Council of European Geodetic Surveyors
- PU “Ukrainian Society of Geodesy and Cartography”
- PO “Ukrainian Aerial Geodesic Association”
- Scientific Research Institute of Geodesy and Cartography
- SGP – Polish Society of Geodesy
- Leica Geosystems, NGC, Kharkiv
- CHC NAV, China
- Zachidzem, Chernivtsi
- Carpathian branch S.I.Subbotin’s Institute of Geophysics
- Ivano-Frankivsk National Technical University of Oil and Gas
- Kailas Group, Kyiv
- Abris DG, Kyiv
- Mirnychy LLC., Lviv
- SystemSolutions LLC., Kyiv
- Transcarpathian regional branch of SE UkrSGE, Mukachevo

### Media sponsors:

- «Modern achievements in geodetic science and production», Lviv
- «Geodesy, cartography and air photography», Lviv
- «Przegląd Geodezyjny», Warsaw
- «GIM», the Netherlands
- «Geodetický a kartografický obzor», Praha
- «Coordinates», India

Dear \_\_\_\_\_

You are welcome to participate

## **G E O F O R U M – 2024**

to be held on April 10-12, 2024 at Lviv Polytechnic National University, Lviv and at the hotel «Valentyna» in Bryukhovychi. Conference registration starts on 10.04.2024, at 9<sup>30</sup> a.m. The transfer of participants to the conference place will be arranged from 8<sup>30</sup> till 9<sup>30</sup> from Institute of Geodesy (6, Karpinskogo Street). Do not hesitate to contact Organizing Committee about all needed information, additional informletters will be sent you later.

### **CONFERENCE FEE:**

The registration fee of 90 EUR paid by each conference participant will be spent on:

- ✓ preparing and publishing the Collection of scientific papers;
- ✓ publishing the conference programme, making invitation cards and attributes for the participants;
- ✓ coffee breaks;
- ✓ organizing excursions, transportation, rent.

90 EUR/day of accommodation and food costs per each participant should be paid on the registration.

### **CONTACT INFORMATION:**

Postal address: GEOFORUM'2023, Organizing Committee, Institute of Geodesy, Lviv Polytechnic National University, 12, Stepan Bandera Street, 79013 Lviv-13, Ukraine  
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<http://www.zgt.com.ua>

**Important! Scientific journal “Modern achievements of geodesic science and industry” will be published before the conference.**

**Publication requirements:** <http://zgt.com.ua/en/journal/>

**New posts on the website:** <http://www.zgt.com.ua>

The programme of the Conference includes plenary and sectional sessions, poster presentations.

### **CONFERENCE SECTIONS:**

- Geodesy and Geodynamics, Instrument Engineering;
- Engineering Geodesy, geodetic monitoring in building;
- Photogrammetry, Cartography, GIS, UAV technology;
- Cadastre, Land Management;
- Military geodetic and GIS-technology;
- Panel reports and presentations.

### **THE MAIN CONFERENCE TOPICS:**

- Education in Geodesy, Cartography and Land management;
- Development of topographic, geodetic and cartographic activities in Ukraine;
- Aspects of the use of UAVs in the economic and defense sectors of the country;
- Geodetic and land management provision of the country during wartime and reconstruction;
- Studying the figure and external gravity field of the Earth using ground methods and using both ground and satellite methods, Earth space monitoring;
- Prospects for development and utilization of GNSS and creation of active reference networks;
- Modern development trends in cartography and cartographic production;
- Automatization of engineering and geodetic or markscheider work;
- Modern technologies of laser scanning and UAV;
- Geodetic support for APP, TPP, bridges, tunnels, roads, railway, geodetic monitoring in building;
- Digital photogrammetry and modern geodetic photogrammetric instrument engineering development;
- Ukrainian geodetic metrology and its current problems;
- Current land management and cadastre in Ukraine, valuation of land and real estate;
- Military navigation and GIS-technology;
- New approaches to the creation of geodetic networks in big cities;
- Problems of introducing the national infrastructure of geospatial data;
- Public branch societies and organizations activities.

### **CONFERENCE SCHEDULE:**

#### **Wednesday, April 10**

9<sup>30</sup> – 13<sup>00</sup> – Registration of conference participants.

14<sup>00</sup> – Opening of the conference.

15<sup>00</sup> – 18<sup>30</sup> – Plenary session. Stand reports.

19<sup>00</sup> - Dinner.

#### **Thursday, April 11**

9<sup>00</sup>-10<sup>30</sup> – Demonstration of geodetic instruments and UAVs.

10<sup>30</sup>-18<sup>30</sup> – Meetings of sections, presentations of organizations and companies, exhibition of equipment, technologies, products, excursions.

#### **Friday, April 12**

9<sup>00</sup>-11<sup>00</sup> – Plenary session.

11<sup>00</sup>-12<sup>00</sup> – Discussions, adoption of the resolution.

12<sup>00</sup> – Excursions and departure of conference participants.