

INTERNATIONAL CONFERENCE OF YOUNG PROFESSIONALS

«GEOTERRACE-2020»

Dear colleagues!

We would like to invite you to participate at International Conference of Young Professionals «GeoTerrace-2020» which will take place on December 7-9, 2020 in the Institute of Geodesy in Lviv Polytechnic National University (Lviv, Ukraine).

Young professionals, scientists, engineers, experts, businessmen and specialists of the geodetic field are invited to participate in the Conference. Professionals, who are yet under 35 on December 7, 2020 are eligible to apply (at least one of the paper authors should satisfy this age criteria).

The goals of the Conference are exchange of scientific ideas and experiences in the fields of Geodesy, Geology, Geodynamics, Monitoring, Photogrammetry, Mapping, GIS, Cadastre of Territories and Land Management.

During the Conference the exhibition of equipment and software will operate. Firms specialized in the field of development of GNSS and GIS-technologies and unmanned aerial vehicles (UAV) have been invited.

«GeoTerrace-2020» is a unique platform for search scientific partners, the exchange of scientific ideas and active communication of young professionals.

ORGANIZING COMMITTEE LOCATION

Lviv Polytechnic National University
Lviv, Karpinskyi Str. 6, 2nd academic building,
704-st room

OFFICIAL E-MAIL:

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CONTACT PERSONS

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CONFERENCE FEES

Conference fees include paper publication and organizational expenses. Cost of accommodation, meals and social program are not included. Total fee per paper (maximum number of paper co-authors is 5):

- Young Participants – 60 EUR/1500 UAH;
- Other Participants – 110 EUR/3000 UAH.

KEY DATES

- Deadline for camera-ready paper submission – **01/10/2020**
- Deadline for notification of paper acceptance or rejection – **15/10/2020**
- Deadline for registration – **01/12/2020**



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INVITATION

INTERNATIONAL CONFERENCE OF YOUNG PROFESSIONALS GEOTERRACE-2020

<https://openreviewhub.org/geoterrace>

**December 7-9, 2020
Lviv, Ukraine**

CONFERENCE TOPICS

Topics of Conference include, but are not limited to:

Engineering Surveying & Deformation Monitoring

Geodetic measuring technique and instruments. Methods and technologies in geodesy and deformation monitoring. Software, databases and applications for engineering surveying. Laser scanning and advance technologies.

GNSS & Satellite Geodesy

Precise satellite positioning. Space technology and engineering. GNSS data collection, processing and analysis. GNSS geodetic products. Radar and laser technologies. Space weather. Reference coordinate systems.

Earth Surface Processes & Geodynamics

Geodynamic processes. Geophysics and micro-geophysics for engineering. Geomechanics. Geomagnetism and gravimetry. Earthquake engineering and seismology. Seismic vulnerability and risk assessment. Geodetical research of geodynamical and landslide processes.

3d Modelling & Visualization for Geology & Mining

Virtual models, 3D and geo-visualization in geology and mining. Modelling in engineering geology and geotechnics. Geology of mineral resources. Structural geology and tectonics. Sedimentology, palaeontology and stratigraphy. Petrology, mineralogy and geochemistry.

Modern Geodesy in Petroleum & Mineral Exploration

Modern geodetic techniques and technologies in open-pit and underground mining deposits. Modern geodetic methods and technologies in petroleum geology. Underground gas storing and reservoir modelling.

Remote Sensing & GIS for Environmental Monitoring

Remote sensing and GIS solutions for disaster monitoring, mitigation and assessment. Multi-dimensional spatial data modelling and data quality. Specialized GIS and applications regarding water, air quality, biodiversity, mineral resources, soil and land use. Web-based geospatial data and GIS services.

Land Cover Mapping & UAV

UAV based land cover mapping. Modern applications and opportunities for UAV. Airborne photogrammetry, LiDAR and close-range applications. Digital cartography. Theoretical cartography, map projections, map design and production.

Sectoral Cadastres for Environmental Management

Sectoral cadastre, land and real estate planning and management. Land administration infrastructures for sustainable development and environmental management.

REQUIREMENTS FOR MATERIALS

Electronic materials of papers should be prepared in accordance with the template and should be submitted via the website of Conference.

Reviewed and accepted papers will be published electronically in the Conference proceedings and will be include to **Earthdoc Online Database** (indexed in Scopus), also all papers will be available on the website of Conference.

Authors of the best presented papers will be asked to extend them for publishing in scientific journals "**Geodynamics**" (indexed in Web of Science) and "**Geodesy, Cartography and Aerial Survey**" (indexed in Index Copernicus).

PROGRAM OF THE CONFERENCE

07/12/ MONDAY

09:00 – 10:30 Registration of participants
10:30 – 11:00 Opening of the Conference
11:00 – 13:00 Plenary session
14:00 – 15:30 Poster section and exhibition of modern geodetic equipment
15:30 – 17:00 Lviv City Tour
17:00 Festive buffet table

08/12/ TUESDAY

09:00 – 13:00 Meetings of sections
14:00 – 18:00 Meetings of sections

09/12/ WENSDAY

09:00 – 13:00 Meetings of sections
14:00 – 15:00 Final meeting
15:00 Departure of the participants

The working language of the conference is English.

The papers of conceptual character concerning the above-mentioned questions will be included in the plenary session. Time limitation: for presentation of papers on the plenary session - 20 min; for presentation of papers on sectional sessions - 10 min. The presentations and posters should be prepared in accordance with the template available online on the website of Conference.

SPONSORSHIP & EXHIBITION

If you wish to discuss sponsorship or exhibition opportunities for Conference, please contact the Organizing Committee.