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GEOINFORMATICS 2020

Technical Programme

XIXth International Conference
"Geoinformatics: Theoretical and Applied Aspects"
11-14 May 2020, Kiev, Ukraine

Dear colleagues!

For the first time our conference will be held online, it is a great opportunity to look into the future today, learn new communication technologies and get the skill of remote interaction with colleagues from around the world.

Such format will allow more participants to take part in the conference, and you as the authors will be able to share with them the results of your work.

The conference will be held as planned on May 11-14, 2020. For comfortable work of the conference we have planned 2 virtual halls - **Hall 1** and **Hall 2** for oral presentations.

To participate in the conference, you will need to make an appointment in the oral presentation Halls. You will need to enter your First and Last Name and e-mail address. Do this before the conference starts.

On our [website available a schedule](http://eage.in.ua) (eage.in.ua) with links to the Halls registration.

or

[REGISTRATION IN HALL 1](#) and [REGISTRATION IN HALL 2](#)

After registration, you will receive e-mail with personal links to enter the Halls.

Virtual halls are organized on the basis of Zoom platform. Therefore, to participate in the conference you will need to install this software.

App installation [Zoom for windows](#)

[Other versions \(All platforms\)](#)

Here is a good guide to Zoom.

[На Русском языке](#)

[In English](#)

We also found a good one [инструкцию в Фейсбуке](#) (Russian)

For oral presentations

If you're the speaker:

Study the schedule of presentations and participate in your session by clicking on the link in confirmation letter

Prepare a presentation on your computer, get your camera and workplace prepared. Join the webinar in advance and at the appointed time, after being announced by the moderator, start demonstrating your screen and make a report, according to the rules for all

your speech 25 minutes (15 minutes for students) we recommend to finish the report 5 minutes before the end for questions and discussion.

For attendees:

Examine the [presentation schedule](#) as well as the abstract you are interested in. Attend the desired session by clicking on the links provided in confirmation letter. During the presentation, you can prepare a question by writing it in the form of questions, or after the presentation is over, click on the "Raise your hand" button and when the moderator will give you the opportunity to talk, ask questions verbally (make sure you have microphone working).

For Poster presentations:

All the speakers sent us by email their posters, and we posted them on the conference website. You can get acquainted with the submitted posters at any time, you can find the links to them in the section of the [poster session](#).

For presenters:

Since we use the zoom platform for the entire conference, we recommend that you provide a link to your personal Zoom room ([Where can I find the link?](#)) in the first poster comment. At the scheduled time for your presentation Start a private conference. According to this link interested participants will be able to connect and ask you questions.

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PROGRAMME HIGHLIGHTS				
Monday, May 11				
13.00 – 13.30 Opening of the conference – Hall 1				
13.30 – 15.00 Plenary Session, Session Chair - Yakymchuk M.A. (AUAG)				
	Plenary Session – Hall 1			
13:30	[17666] The most expensive “dry” exploratory well in the history of the oil industry: reasons of failure based on data of direct-prospecting methods application *M. Yakymchuk (Institute of Applied Problems of Ecology, Geophysics and Geochemistry), I. N. Korchagin (Institute of Geophysics, NAS of Ukraine)			
14:00	[18188] Digital field geology I. M. Bubniak (Institute of Geodesy National University Lviv Polytechnic), *A. M. Bubniak (Consulting Geologist), O. D. Gavrilenko (D. Serikbayev East-Kazakhstan State Techbical University)			
14:30	[18277] Geographic Information and Cyber-Physical Systems in Oil and Gas Industry: Benefits, Problems and Integration Prospects O. Rogach, *O. Pidchosa, P. Dziuba (Institute of International Relations, Taras Shevchenko National University of Kyiv)			
Tuesday, May 12				
Oral	Geoinformatics - an Innovative View of the Earth	Hall 1	9:30-15:40	
Oral	Mathematical Methods and Computer Technologies in Geophysics and Geology	Hall 2	9:30-14:40	
Poster	Geological Modeling	E-poster site	9:30-13:00	
Poster	Geoinformation Support Monitoring of Hazardous Natural and Anthropogenic Processes	E-poster site	9:30-15:40	
Wednesday, May 13				
Oral	Geoinformation Researches for Petroleum Exploration	Hall 1	9:30-13:00	
Oral	Geoinformation Researches for Mineral Exploration	Hall 1	14:00-15:30	
Oral	Remote Sensing In Geosciences	Hall 2	9.30-14:40	
Moderators:				
Poster	Geoinformatics - an Innovative View of the Earth	E-poster site	9.30-15:00	
Poster	Mathematical Methods and Computer Technologies in Geophysics and Geology	E-poster site	9.30-15:30	
Thursday, May 14				
Oral	Geological Modeling	Hall 1	9.30-15:30	
Oral	Geoinformation Support Monitoring of Hazardous Natural and Anthropogenic Processes	Hall 2	9.30-15:30	
Poster	Geoinformation Researches for Petroleum Exploration	E-poster site	9.30-15:10	
Poster	Geoinformation Researches for Mineral Exploration	E-poster site	14:00-16:00	
Poster	Remote Sensing In Geosciences	E-poster site	9.30-13:00	

Oral presentations Tuesday 12 May

	Hall 1 01- Geoinformatics - an Innovative View of the Earth Moderators: Dr. Korchagin I.N., Demidov V.	Hall 2 06 - Mathematical Methods and Computer Technologies in Geophysics and Geology Moderators: Dr. Lubkov M.V.
9:30	[18188] Digital field geology * I. M. Bubniak (<i>Institute of Geodesy National University Lviv Polytechnic</i>), A. M. Bubniak (<i>Consulting Geologist</i>), O. D. Gavrilenko (<i>D. Serikbayev East-Kazakhstan State Techbical University</i>)	[18379] The method of 3-D dataset statistical simulation with «cubic» correlation function on Rivne NPP example * Z. Vyzhva , V. Demidov (<i>Taras Shevchenko National University of Kyiv</i>), A. Vyzhva (<i>SE "Naykanafto-gaz"</i>)
9:55	[18470] Methodological principles of creation of the integrated database of geological and geomorphological monuments of Ukraine * S. Yu. Bortnyk (<i>Taras Shevchenko National University of Kyiv, Ukraine; Jan Kochanowski University in Kielce, Poland</i>), V. V. Stetsyuk , N. P. Gerasimenko , O.O. Komliev , O.V. Kovtoniuk , T. M. Lavruk , O. M. Pidkova , N.M. Pohorilchuk , O.S. Bonchkovskyi (<i>Taras Shevchenko National University of Kyiv</i>)	[17450] Anisotropy parameters for monoclinic media * A. Stovas (<i>NTNU, Norway</i>), Y. Roganov (<i>Tesseral, Ukraine</i>), V. Roganov (<i>Glushkov Institute, Ukraine</i>)
10:20	[18448] "Paleogeomorphological atlas" as a way to accumulate generalized and obtain new information «historical-dynamic morphosystem of the Earth» * O. O. Komliev (<i>Taras Shevchenko National University of Kyiv</i>), S. Yu. Bortnik (<i>Taras Shevchenko National University of Kyiv, Ukraine; Jan Kochanowski University in Kielce, Poland</i>), E. O. Remezova (<i>Geological Institute of National Academy of Sciences of Ukraine, Ukraine</i>), S. V. Zhyllkin (<i>Institute of Geography of National Academy of Sciences of Ukraine, Ukraine</i>), N. M. Pogorilchuk (<i>Taras Schevchenko National University, Ukraine</i>), Yu. M. Filonenko (<i>State University by Nicolay Gogol, Nezhin, Ukraine</i>)	[17495] Modeling of pushing processes in anisotropic low permeable gas reservoirs M. V. Lubkov (<i>Poltava Gravimetrical Observatory of NASU</i>)
10:45	[17554] Problems of registration of geological sites (monuments) in the State Land Cadastre * L. V. Samoilenko , V. I. Zatserkovnyi (<i>Taras Shevchenko National University of Kyiv, Institute of Geology</i>)	[17491] Modeling of pushing processes in anisotropic low permeable oil reservoirs * M. V. Lubkov (<i>Poltava Gravimetrical Observatory of NASU</i>), O. O. Zaharchuk (<i>National University "Poltavska Politehnika of Yuriy Kondratyuk"</i>)
11:10	Break	
11:25	[17718] A first attempt at the regional implementation of a geoarchaeological site database for Ukraine: study areas of the Volyn' Upland and the Transcarpathian Lowland * O. S. Bonchkovskyi , N. P. Gerasimenko (<i>Taras Shevchenko National University of Ukraine</i>)	[17272] Estimation of low frequency phase velocity dispersion in weak contrast periodic media * Yu. Roganov (<i>Tesseral Technologies Inc. , Ukraine</i>), A. Stovas (<i>NTNU, Trondheim</i>), V. Roganov (<i>Glushkov Institute of Cybernetics, Ukraine</i>)
11:50	[18268] Interactive map of the nature reserve fund of Ukraine in the Poltava region as an innovative measure of environmental monitoring E. Bondarenko (<i>Kyiv Taras Shevchenko National University</i>), * M. Kyryliuk (<i>Institute of Geography, NAS of Ukraine</i>)	[18214] A Methodology to Complete and Visualize the GPR Data * R. Samet , M. Ozkan-Okay (<i>Ankara University</i>), O. P. Markovskiyi (<i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"</i>)

12:15	<p>[17980] The theory of information providing for researches and works on geological environment management *D. P. Khrushchov (<i>Institute of Geological Sciences of NASU</i>), V. V. Dolin (<i>Institute of Environmental Geochemistry of NASU</i>), S. V. Goshovski (<i>Ukrainian State Geological Research Institute</i>), O. O. Remezova (<i>Institute of Geological Sciences of NASU</i>), V. Ye. Goncharov (<i>Free geologist</i>), O. T. Azimov (<i>Scientific Centre for Aerospace Research of the Earth, IGS of NASU</i>), O. L. Shevchenko (<i>Taras Shevchenko National University of Kyiv</i>), L. P. Bosevska (<i>Ukrainian Research Institute of the Salt Industry</i>), O. P. Lobasov (<i>Free geologist</i>), O. V. Yaremenko (<i>Institute of Geological Sciences of NASU</i>)</p>	<p>[18062] An Approach for Anomaly Detection in GPR Data using Machine Learning Techniques *M. Ozkan-Okay, R. Samet (<i>Ankara University</i>), S. Stirenko (<i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"</i>)</p>
12:40	<p>[17646] Application of frequency-resonance technology of satellite images and photographs processing for the hydrogen accumulations searching M. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>), *I. N. Korchagin (<i>Institute of Geophysics, NAS of Ukraine</i>)</p> <p>[17647] Application of mobile frequency-resonance methods of satellite images and photo images processing for water accumulations searching *M. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>), I. N. Korchagin (<i>Institute of Geophysics, NAS of Ukraine</i>)</p>	<p>[18009] Formation regularities of liquid body of Dombrovsky quarry *Y. Malkova (<i>Taras Shevchenko National University of Kyiv</i>), V. Dolin, Y. Yakovlev (<i>State Institution "Institute of Environmental Geochemistry of NAS of Ukraine"</i>)</p> <p>[17436] New methods to determine basic probability assignment and data fusion in Hyperspectral Image Classification *M. I. Alpert (<i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Department-FICT, Ukraine</i>), S. I. Alpert (<i>"Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Science of the National Academy of Sciences of Ukraine"</i>)</p>
13:05	Break	
14:00	<p>[18132] Methods for mapping and assessment drivers of change effects on terrestrial and marine ecosystem services in Lithuania *E. Gomes, M. Inácio, K. Mikša, M. Kalinauskas, P. Pereira (<i>Environmental Management Center, Mykolas Romeris University, Lithuania</i>)</p>	<p>[18288] Analysis of Elastic Symmetry and Anisotropy of Crystalline shales of the Pishchanska iron-ore structure I. M. Bezrodna (<i>Taras Shevchenko National University of Kyiv</i>), D. A. Bezrodnyi (<i>Taras Shevchenko National University of Kyiv</i>), *V. V. Svystov (<i>Taras Shevchenko National University of Kyiv</i>), A. P. Gozhyk (<i>Taras Shevchenko National University of Kyiv</i>)</p>
14:25	<p>[18148] Seven-year cyclicity manifestations in groundwater mode revealed by wavelet analysis *O. Shevchenko (<i>Taras Shevchenko National University of Kyiv, Ukraine</i>), A. Skorbun (<i>Institute for Safety Problems of Nuclear Power Plants NAS of Ukraine</i>), D. Charnyi (<i>The institute of Environmental Geochemistry of National Academy of Sciences of Ukraine</i>)</p>	
14:40	<p>[17532] Use of geoinformation technology to study the structure and morphometric parameters of</p>	

	river basins M. M. Prykhodko, V. V. Romaniuk, D. V. Kukhtar, I. L. Bodnaruk, * M. V. Adamovych (<i>Ivano-Frankivsk National Technical University of Oil and Gas</i>)	
14:55	[17721] Determining of the effects of groundwater regime on the status of architectural monuments of Kyiv-Pechersk Lavra *V. M. Hudak (<i>Taras Shevchenko National University of Kyiv, Institute of Geology</i>), I. A. Cherevko (<i>National Kyiv-Pechersk Historical and Cultural Reserve</i>), V. I. Zatserkovnyi, V. I. Ostroukh, A. V. Ilchenko (<i>Taras Shevchenko National University of Kyiv</i>)	
15:10	[18366] Analysis of approaches for “Geological heritage of Ukraine” geo-portal creation V. I. Zatserkovnyi, *D. P. Trofymenko (<i>Taras Shevchenko National University of Kyiv</i>), L. V. Ilyin (<i>Lesya Ukrainka Eastern European National University</i>), N. V. Trofimenko, V. Hotko (<i>Taras Shevchenko National University of Kyiv</i>)	
15:25	[18372] Using modern web technologies to construct web portals of educational and scientific organization *A. Tarnovetskyi, V. Demidov (<i>Taras Shevchenko National Univeristy of Kyiv</i>)	
15:40	[18421] Analysis of a light pollution map for meteorite detection. The prospects of the development of a meteor network in Ukraine *R. Bukatiuk (<i>the University of Alberta</i>)	

Poster presentations Tuesday 12 May

	05 - Geological Modeling	09 - Geoinformation Support Monitoring of Hazardous Natural and Anthropogenic Processes
9:30	[17603] Comprehensive environmental monitoring based on aerospace and ground research data *V. Trysnyuk, V. Prystupa, T. Trysnyuk, V. Vasylenko, A. Kurylo (<i>Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i>)	[18165] Spatial correlation function of the mean annual water runoff of the river of Ukraine *S. O. Moskalenko (<i>Taras Shevchenko National University of Kyiv, Ukraine</i>), L. V. Malytska (<i>Ukrainian hydrometeorological institute, Kyiv, Ukraine</i>)
9:55	[17605] Improvement of the complex evaluation method of vital activity risks *V. Trysnyuk (<i>Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i>), O. Demydenko (<i>State Enterprise «Ukrainian Research and Training Center for Standardization, Certification and Quality»</i>), K. Smetanin (<i>Zhytomyr Military Institute of SP Korolev</i>), A. Zozulia (<i>Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i>)	[17882] Theory and realization of dynamic correlation method for environmental safety evaluation V. Okhariev (<i>Institute of Telecommunications and Global Information Space, NASU</i>)
10:20	[17426] Niobium and titanium in the thorium-uranium albitites of the Novooleksiivka ore occurrence (Ukrainian shield) *I. Mihalchenko (<i>State Institution "The Institute of Environmental Geochemistry of the National Academy of Sciences of Ukraine"</i>), A. Andreev (<i>Taras Shevchenko National University of Kyiv, Educational-Research Institute "Institute of Geology"</i>), V. Zagorodniy (<i>Physical-Chemical Materials Science Center National Academy of Sciences of Ukraine</i>)	[17888] Monitoring System of Land Resources Pollution by Oil *V. Okhariev, T. Trysnyuk, Y. Holovan (<i>Institute of Telecommunications and Global Information Space, NASU</i>)
10:45	[18286] A new scheme of tectonic zoning of the lithosphere upper part of the Pre-Caspian depression V. S. Druzhinin (<i>Institute of Geophysics Ural Branch the RAS</i>), N. I. Nachapkin (<i>Institute of Geophysics Ural Branch the RAS</i>), V. Yu. Osipov (<i>Institute of Geophysics Ural Branch the RAS</i>), *L. A. Muravyev (<i>Institute of Geophysics Ural Branch the RAS, Ural Federal University</i>)	[17892] Ground Deformation Mapping of Solotvyno Mine Area Using Radar Data and GIS O. Trofymchuk, *Y. Anpilova, Y. Yakovliev (<i>Institute of Telecommunications and Global Information Space of NASU</i>), I. Zinkiv (<i>Mykola Lysenko Lviv National Music Academy</i>)
11:10	Break	
11:25	[18043] Morphology of native copper crystals as component in modeling the mineral formation process I. V. Kvasnytsia (<i>Taras Shevchenko National University of Kyiv, Educational and Scientific Institute "Institute of Geology"</i>)	[17377] Study of structural-tectonic discreteness of abrasion-landslide bench in a segment of Odesa coastline *T. V. Kozlova, E. A. Cherkez, V. I. Medinets, Ye. I. Gazyetov, S. M. Snihirov, S. V. Medinets (<i>Odesa National I. I. Mechnikov University</i>)
11:50	[17810] Geospatial data on the distribution of silicon and aluminum in the thickness of shungite rocks of the Mlynkovskii area (Ukrainian Shield) *S. P. Lashko (<i>Kremenchuk Mykhailo Ostrohradsky National University</i>), V. G. Yatsenko, V. V.	[17894] Landscape and Geological Factors of Water and Ecological Conditions Technogenesis of Donbas at the Post-Mining Stage *Y. Anpilova, Y. Yakovliev, I. Drozdovych (<i>Institute of Telecommunications and Global Information Space</i>)

	Pokalyuk, L. P. Zaborovskaya (<i>Institute of Environmental Geochemistry of the National Academy of Sciences of Ukraine</i>)	of NASU)
12:15	[17815] Geoinformation Assessment of Kanivsky Prydniprov'ye Paleorelief by Structural Morphometry * L. V. Tustanovska, O. M. Ivanik (<i>Institute of Geology</i>), T. V. Shovkoplyas (<i>Faculty of Mechanics and Mathematics</i>), K. P. Hadiatska, Y. A. Krucheniuk (<i>Institute of Geology</i>)	[18263] GIS modeling of the territory and water area of protected areas O. V. Omelchuk (<i>Institute of Geology Taras Shevchenko National University</i>), I. V. Kuraieva, *A. O. Splodytel (<i>Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of NAS of Ukraine</i>)
12:40	[18509] Factoring of radioactive properties and composition of sedimentary rocks of Runovschyna Area for the purposes of lithological and facial subdivision * R. M. Bukatiuk (<i>Institute of Geology, Taras Shevchenko National University of Kyiv</i>), S. A. Vyzhva, O. V. Shabatura, V. I. Onyshchuk, I. I. Onyshchuk (<i>Institute of Geology, Taras Shevchenko National University of Kyiv</i>)	[17844] Monitoring of the change in the area of the Malyn Landfill on the basis of various space images taken at different times * L. Dyachenko (<i>Taras Shevchenko National University of Kyiv</i>), M. Kovalchuk (<i>Institute of Geological Sciences Academy of Sciences of Ukraine</i>), I. Baysarovych (<i>Taras Shevchenko National University of Kyiv</i>)
13:05	Break	
14:00	[17988] Identification of geological facilities of productive deposits at oil and gas field by geophysical research data * I. Piatkovska, I. Fedak, Y. Koval (<i>Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk</i>)	[18075] The role of household activity in the context of studying the formation of groundwater in Tatarbunary * O. Miedvedieva (<i>Institute of Water Problems and Reclamation National Agrarian Academy of Sciences of Ukraine, Ukraine</i>), O. Dyniak (<i>Taras Shevchenko National University of Kyiv, Institute of Geology, Ukraine</i>)
14:25		[18226] Use open GIS technologies to determine hydropower potential for lowland rivers on the example of Ukrainian part of Pripjat basin * V. Korniienko, O. Obodovskyi, O. Pochaievets, O. Lukianets, O. Kryvets, N. Korohoda (<i>Taras Shevchenko National University of Kyiv</i>)
14:50		[18356] Application of geophysical methods in the study of karst S. Vyzhva, *V. Onyshchuk, I. Onyshchuk, M. Reva, O. Shabatura (<i>Taras Shevchenko National University of Kyiv</i>)
15:15		[18400] Application of A Remote Sensing in Monitoring of Erosion Processes * K. A. Lukyachuk, I. P. Kovalchuk (<i>National University of Life and Environmental Sciences of Ukraine</i>), O. M. Pidkova (<i>Kyiv National Taras Shevchenko University</i>)
15:30		[18414] Comparative analysis of the annual runoff distribution of the left-bank and right-bank tributaries of the Siverskyi Donets River Basin * H. Bolbot (<i>Ukrainian Hydrometeorological Institute</i>), V. Grebin (<i>Taras Shevchenko National University of Kyiv</i>)
15:45		[17253] Valuation of the impact of urbanization on the geoecological problems of the megapolis * D. P. Romanukha, V. I. Zatserkovnyi (<i>Institute of Geology of Taras Shevchenko National University of Kyiv</i>), P. A. Savkov, I. V. Pampukha, I. K Syniavska (<i>Military Institute of National University of Kyiv</i>)
16:00		

Oral presentations Wednesday 13 May

	Hall 1 02-Geoinformation Researches for Petroleum Exploration Moderator: Dr. Menshov O.I.	Hall 2 07-Remote Sensing In Geosciences Moderators: Onyshchuk V. I.
9:30	[18364] On the prospects of hydrocarbon accumulations detection in traditional reservoirs in deep horizons of cross-section within shale gas production areas M. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>), *I. N. Korchagin (<i>Institute of Geophysics of Ukraine National Academy of Science</i>)	[18387] Geoinformation systems in monitoring studies of environmental pollution factors in the areas of municipal solid waste landfills *O. T. Azimov (<i>Scientific Centre for Aerospace Research of the Earth IGS of NASU</i>), O. V. Shevchuk (<i>Institute of Telecommunications and Global Information Space of NASU</i>)
9:55	[17135] Recommendations for wells drilling in the unfavorable structural-tectonic conditions S. Vyzhva (<i>Taras Shevchenko National University of Kyiv Institute of Geology</i>), I. Solovyov , V. Kruhlyk , *G. Lisny (<i>Geounit LLC</i>)	[18384] Computer detection of the Earth's crust blocks using satellite image lineaments *S. L. Nikulin , K. L. Sergieieva , O. V. Korobko (<i>National Technical University Dnipro Polytechnic</i>)
10:20	[17949] Geomagnetic studies at Rubaniv gas field in outer zone of Carpathian Foredeep, Ukraine V. Maksymchuk , R. Kuderavets (<i>Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine</i>), *O. Menshov (<i>Taras Shevchenko National University of Kyiv</i>), P. Bodlak , I. Chobotok , Y. Nakalov , N. Pyrizhok (<i>Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine</i>)	[18190] Lineaments analysis of the Dniester area (between Bakota and Novodnistrovsk) *A. M. Bubniak (<i>Consulting Geologist</i>), I. M. Bubniak (<i>Institute of Geodesy National University Lviv Polytechnic</i>), A. I. Zyhar (<i>JSC Ukrhydroenergo</i>)
10:45	[18452] Identification of non-structural traps based on AVO-analysis and Elastic Inversion within the northern edge of the Dnieper-Donets Depression *P. Kuzmenko (<i>SE "Naukanoftogaz", Taras Shevchenko National University of Kyiv</i>), I. Mykhalevych (<i>LLC "Cub Gaz"</i>), S. Vyzhva (<i>Taras Shevchenko National University of Kyiv</i>)	[17505] Springs as indicator of geotectonic disturbances *R. L. Kravchynskyi (<i>Carpathian National Natural Park</i>), V. K. Khilchevskyi (<i>Taras Shevchenko National University of Kyiv</i>), M. V. Korchemlyuk (<i>Carpathian National Natural Park</i>), M. R. Zabokrytska (<i>Lesya Ukrainka Eastern European National University</i>), L. V. Plichko (<i>Taras Shevchenko National University of Kyiv</i>)
11:10	Break	
11:25	[17648] On the prospects of hydrocarbon and hydrogen accumulations detecting within local areas of Ukrainian shield M. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>), *I. N. Korchagin (<i>Institute of Geophysics, NAS of Ukraine</i>) [18362] Results of reconnaissance studies for hydrocarbon deposits within some districts in Northern Ukraine M. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>), *I. N. Korchagin , *T. Mikheeva (<i>Institute of Geophysics of Ukraine National Academy of Science</i>)	[17521] Assessment of changes a number of surface water bodies within the sub-basin of the Desna River using remote sensing materials *L. V. Plichko , V. I. Zatserkovnyi (<i>Taras Shevchenko National University of Kyiv, Institute of Geology</i>), V. K. Khilchevskyi (<i>Taras Shevchenko National University of Kyiv</i>), Marina Mizernaya , Amralinova Bakytzhan (<i>D. Serikbayev East Kazakhstan state technical university</i>)

11:50	[18213] Estimation of the pore space structure of tight gas reservoirs of the Moscovian stage locates in DDB Eastern part using a limited well logging dataset. *O. V. Oliinyk (JSC "Ukrasvydobuvannya"), V. V. Antoniuk, I. M. Bezrodna (Institute of Geology, Taras Shevchenko National University of Kyiv), N. V. Rusachenko (JSC "Ukrasvydobuvannya")	[17657] Exogenic Processes' Remote Monitoring of Kanivske Reservoir's Right Bank *O. A. Mykolaenko (Taras Shevchenko National University of Kyiv), P. V. Zhyrnov (State Enterprise "Scientific Research and Design Urban Development Institute"), O. V. Tomchenko (State institution "Scientific center for aerospace researches of the Earth of IGS NAS of Ukraine"), I. O. Pidlisetska (Taras Shevchenko National University of Kyiv)
12:15	[18415] Reservoirs Type Classification Using Hydraulic Flow Units Approach With An Application To Pivnichno-Korobochkynska Area (Dnipro-Donetsk Depression) *O. Petrokushyn, V. Antoniuk (Taras Shevchenko National University of Kyiv)	[17754] Analysis of the accuracy of the orthophoto map building according to aerial photography results executed with UAV *V. I. Zatserkovnyi, S. D. Kryachok, L. S. Mamontova, B. Popkov (Taras Shevchenko National University of Kyiv), I. Chepko (The Central Scientific Research institute of Armament and Military Equipment of the Armed Forces of Ukraine)
12:35	[18373] Petroleum system analysis of Walrus area in the Deepwater US Gulf of Mexico *Y. Tkachenko, V. Shabanov, A. Drozdova, V. Yemets, O. Prokopenko, I. Virshylo (Taras Shevchenko National University of Kyiv, Institute of Geology)	[17492] Lidar photography – as a source for filling the 3D cadastre and the BIM database *D. S. Naumovych (National Aviation University), V. I. Zatserkovnyi (Taras Shevchenko National University of Kyiv, Institute of Geology), O. Ye. Nikolaenko (National Aviation University), V. V. Koval, Ye. V. Levisenko (The Military and Research Office of the General Staff of the Armed Forces of Ukraine)
12:50	[18422] Patternrecognition in oil infrastructure with convolutional neural networks *R. Okhrimchuk, I. Tishaev, V. Zatserkovnyi, O. Smorkalova (Taras Shevchenko National University of Kyiv)	[18361] Technology of Frequency Resonance Processing of Satellite Images: Results of Testing on gold deposits and areas of gold ore occurrences M. Yakymchuk (Institute of Applied Problems of Ecology, Geophysics and Geochemistry), *I. N. Korchagin, *G. Drogitskaya (Institute of Geophysics of Ukraine National Academy of Science) [18363] The results of testing methods of frequency resonance processing of satellite images within areas of technical micro-diamonds (lonsdalite) deposits location M. Yakymchuk (Institute of Applied Problems of Ecology, Geophysics and Geochemistry), *I. N. Korchagin (Institute of Geophysics of Ukraine National Academy of Science)
13:05	Break	

14:00	Hall 1 03-Geoinformation Researches for Mineral Exploration	
	<p>[18499] GIS technology in the geological and technological modeling of iron ore deposits *O. V. Plotnikov (<i>Kryvyi Rih National University</i>), M. M. Kurylo (<i>Taras Shevchenko National University of Kyiv</i>), V. S. Stapay (<i>Kryvyi Rih National University</i>)</p>	
14:25	<p>[17773] Three-dimensional model as the basis for exploration planning (as an example, the Prutivka copper-nickel deposit) N. Bariatska (<i>Geological Service Company LLC</i>)</p>	
14:40	<p>[17600] The Experience of Modeling Magmatogenic Ore Systems on the Example of Zhumba Quartz-Vein Deposit, East Kazakhstan *V. I. Zatserkovnyi (<i>Taras Shevchenko National University of Kyiv, Institute of Geology</i>), M. A. Mizernaya (<i>D. Serikbayev East Kazakhstan state technical university</i>), G. B. Orazbekova (<i>D. Serikbayev East Kazakhstan state technical university</i>), A. P. Miroshnikova (<i>D. Serikbayev East Kazakhstan state technical university</i>)</p>	
14:55	<p>[17839] The use of retrospective data for creating 3D models on the example of the Balakhivka graphite deposit N. Safronova (<i>Geological Service Company LLC</i>)</p>	
15:25	<p>[18292] The use of 2D/3D GIS software for exploration purposes: case studies from Canada and Ukraine *K. Poliakovska (<i>Taras Shevchenko National University of Kyiv - Institute of Geology</i>), I. R. Annesley (<i>Université de Lorraine - École Nationale Supérieure de Géologie</i>), O. Ivanik (<i>Taras Shevchenko National University of Kyiv - Institute of Geology</i>), J. Sykes (<i>Appia Energy Corp.</i>), K. Pandur (<i>First Geolas Consulting</i>)</p>	
15:40		

Poster presentations Wednesday 13 May

	01-Geoinformatics - an Innovative View of the Earth	06-Mathematical Methods and Computer Technologies in Geophysics and Geology
9:30	[17621] Using of Landsat space images to study the dynamic of coastline changes in the Black Sea north-western part in 1983-2013 * E. A. Cherkez, V. I. Medinets, T. V. Pavlik, Ye. I. Gazyetov, S. V. Medinets, T. V. Kozlova (<i>Odessa National I. I. Mechnikov University</i>)	[17830] Electrometry effective inverse problem solving method M. L. Myrontsov (<i>Institute of Telecommunications and Global Information Space, National Academy of Sciences of Ukraine</i>)
9:55	[18319] Structure of the "Relict continental dunes" GIS geodatabase as the basis of unification, systematization and analysis of information * L. Dubis (<i>Ivan Franko National University of Lviv, Lviv, Ukraine; The John Paul II Catholic University of Lublin, Lublin, Poland</i>), N. Habchak (<i>State High Educational Institution «Uzhhorod National University», Uzhhorod, Ukraine</i>), S. Bortnyk (<i>Taras Shevchenko National University of Kyiv; Jan Kochanowski University in Kielce, Poland</i>), V. Zatserkovnyi (<i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i>), Yu. Andreychuk (<i>Ivan Franko National University of L'viv, L'viv, Ukraine; L'viv Polytechnic National University, L'viv, Ukraine</i>)	[17831] Lateral logging sounding and lateral logging complex effective inverse problem solving method M. L. Myrontsov (<i>Institute of Telecommunications and Global Information Space, National Academy of Sciences of Ukraine</i>)
10:20	[18378] Geoportal GGID of NJSC "Naftogaz of Ukraine" - use of geological and geophysical information by means of geoinformation technologies S. Halyuk, *V. Antonyshyn, L. Yakushyn, L. Melnyk (<i>SE "Nauknaftogaz"</i>), A. Koval (<i>NJSC "Naftogaz of Ukraine"</i>)	[17966] Solving the three-dimensional linear magnetometry problem on GPU * E. N. Akimova (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>), V. E. Misilov (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>), V. O. Miftakhov (<i>Ural Federal University</i>)
10:45	[18409] Seismic tomographic model along the geotraverse VI profile D. V. Lysynchuk, *L. V. Farfuliak, K. V. Kolomiets (<i>Institute of Geophysics, National Academy of Sciences of Ukraine, Kiev, Ukraine</i>), O. V. Kolomiets (<i>VM Glushkov Institute of Cybernetics, National Academy of Sciences of Ukraine, Kiev, Ukraine</i>)	[17967] Simulation of Water Filtration in a Geothermal Doublet M. Yu. Filimonov (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>), * E. N. Akimova (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>), V. E. Misilov (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>), N. A. Vaganova (<i>Ural Federal University and Krasovskii Institute of Mathematics and Mechanics of UrB RAS</i>)
11:10	Break	

11:25	[18442] Use of spatial morphometric analysis of the Zmiinyi island underwater slope relief to reveal tectonic movements in Holocene *E. A. Cherkez, O. A. Pogrebnaya, V. I. Medinets, T. V. Kozlova, Ye. I. Gazyetov, S. V. Medinets (<i>Odesa National I. I. Mechnikov University</i>)	[18089] Modeling of the riverside groundwater intakes exploitation taking into account of the stream flow changes *S. V. Telyma (<i>Institute of hydromechanics, NAS of Ukraine</i>), O. S. Voloshkina (<i>Kyiv national university of construction and architecture</i>), YU. O. Bereznytska (<i>Kyiv national university of construction and architecture</i>), V. M. Efimenko (<i>National Taras Shevchenko University of Kyiv</i>)
11:50	[18481] The crustal structure of the transition from the East Black Sea Basin to the Shatsky Ridge from reinterpretation of existing refraction seismic profiles 14-15-16 T. Yegorova, E. Baranova, A. Murovskaya, *L. Farfuliak (<i>Institute of Geophysics of National Academy of Sciences of Ukraine</i>), K. Repina (<i>Donetsk National Technical University</i>)	[18141] Transformation of a spherically symmetric model of Earth's mass one-dimensional distribution PREM to a hydrostatic state M. M. Fys, A. L. Tserklevych, *B. B. Dzhuman (<i>Lviv Polytechnic National University, Lviv, Ukraine</i>)
12:15	[17979] Formation of cadastral data on the Nikolaevskii wolframite mineralization (Right-Bank Region of the Ukrainian Shield) S. P. Lashko (<i>Kremenchuk Mykhailo Ostrohradsky National University</i>)	[18162] The evolution of dilatant inclusion by the analogy with the geometric application of the Ricci flow *V. A. Pyankov, A. L. Rublev (<i>Institute of Geophysics, Ural Branch of RAS</i>)
12:40	[18273] Using the TAR3D program for 3D data visualization in geoelectric studies. *V. N. Tarasov, I. M. Logvinov (<i>Institute of Geophysics NAS of Ukraine</i>)	[18185] Construction of the Earth's crust rheological boundaries based on a complex solution of inverse problems of magnetometry and gravimetry *V. A. Pyankov (<i>Institute of Geophysics, Ural Branch of RAS</i>), A. L. Rublev (<i>Institute of Geophysics, Ural Branch of RAS</i>)
	[17818] The use of geoinformation technologies for visualization the features of the underwater terrain of the Antarctic Territories and the geological processes which contributed to its formation M. D. Krochak, M. V. Bandurenko, *V. I. Holoborodko, Y. I. Voropai (<i>Institute of Geology of the Taras Shevchenko National University of Kyiv</i>)	[17637] Use of mathematical methods to determine the ichnofossils species composition *A. Sh. Mienasova, M. D. Krochak (<i>Taras Shevchenko National University of Kyiv, Ukraine</i>)
13:05	Break	
14:00	[17704] Geoelectrical heterogeneities of the crust and upper mantle of the territory of Ukraine A. Kushnir, T. Burakhovych, *V. Ilyenko, B. Shyrkov (<i>Institute of Geophysics NAS of Ukraine, Kyiv, Ukraine</i>)	[18087] Software for calculating X-ray fluorescence fluxes of chemical elements from individual microcrystals of accessory minerals. *A. Bunkevich, A. Andreev, E. Meshcheryakova, S. Shnyukov (<i>Taras Shevchenko National University of Kyiv</i>)

14:25	[18143] Retrospective monitoring of changes in land areas under the quarries of the «Mokryanskogo deposit II» based on the analysis of different space images * A. V. Skorobahatko, I. M. Baysarovych (<i>Taras Shevchenko National University of Kyiv</i>), M. S. Kovalchuk (<i>Institute of Geological Sciences Academy of Sciences of Ukraine</i>), V. V. Babiy (<i>National Aviation University</i>)	[18246] Petrophysical determination model of the collector points by the gamma-gamma-density results and gamma-spectrometric methods Y. M. Femyak, V. V. Fedoriv, *R. O. Marynychak (<i>Ivano-Frankivsk National Technical University of Oil and Gas</i>)
14:40	[17656] A seasonal dependence of the earthquake number in the Earth crust * A. Kazantsev, L. Kazantseva (<i>Kyiv National Taras Shevchenko University</i>)	[18385] Seismic site effects evaluation of the Yagotin compressor station (Ukraine) * Yu. Semenova, A. Kendzera (<i>S. I. Subbotin Institute of Geophysics, National Academy of Sciences of Ukraine</i>), -
14:55	[17934] Survey results on students interest in geological sciences H. A. Liventseva (<i>Chairman of the Board of Public Organization Ukrainian Association of Geologists</i>)	[18360] Modeling of stationary radon transfer in a layered geological media to determine the transmission distance of emanating * O. V. Shabatura (<i>Institute of Geology, of Taras Shevchenko National University of Kyiv</i>), O. V. Nozhenko (<i>Institute of Environment Geochemistry NAS of Ukraine</i>), A. I. Yakimchyk (<i>Institute of Geophysics by S. I. Subbotin name, Kyiv, Ukraine</i>)
15:10		[17610] Application of mathematical statistics methods in estimating the prospects of oil and gas content of local objects in Boryslav petroleum industry area * V. Maniuk, M. Maniuk, O. Maniuk, M. Medvid (<i>Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk</i>)
15:25		

Oral presentations Thursday 14 May

	Hall 1 05-Geological Modeling Moderators: Dr. Horoshkova L.	Hall 2 09-Geoinformation Support Monitoring of Hazardous Natural and Anthropogenic Processes Moderators: Dr. Ivanik O.M.
9:30		[18017] Integration of magnetic and hydrogeological studies for landslides and soil erosion assessment. Case study from area Lake Glinka (Kyiv, Ukraine) * O. Menshov , O. Shevchenko , O. Andreeva (Taras Shevchenko National University of Kyiv)
9:55	[17523] Model of the new gold deposit Mananila (Tanzania) * V. Mykhailov , O. Andreeva , O. Omelchuk (Institute of Geology of Taras Shevchenko National University of Kyiv)	[18388] Ecological and geochemical study of the state of soil deposits in the impact areas of municipal solid waste landfills * O. T. Azimov (Scientific Centre for Aerospace Research of the Earth IGS of NASU), O. M. Trofymchuk (Institute of Telecommunications and Global Information Space of NASU), I. V. Kuraeva (M. P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of NASU), K. S. Zlobina (M. P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of NASU), S. P. Karmazinenko (Institute of Geography of NASU), Ye. M. Dorofey (Scientific Centre for Aerospace Research of the Earth IGS of NASU)
10:20	[17403] Multifactor mathematical modelling of ecological and economic systems (the example of coal mining development) * L. Horoshkova (Zaporizhzhya National University), I. Khlobystov (National university of "Kyiv-Mohyla academy"), B. Danylyshyn (Kyiv National Economic University named after Vadym Hetman)	[18380] Spatial morphometric analysis of digital elevation model in landscape research L. F. Bilous , P. Shyshchenko , V. Samoilenko , O. Havrylenko (Taras Shevchenko National University of Kyiv)
10:45	[17404] Modelling of resource flows in the coal industry of Ukraine * L. Horoshkova (Zaporizhzhya National University), I. Khlobystov (National university of "Kyiv-Mohyla academy"), V. Volkov (Zaporizhzhya National University)	[18340] Use of GPTS technology in geoinformation security for sustainable development of megacities * Yu. A. Bogdanov , S. I. , Prokopenko , Xin Chen (Hebei DSF-GEOS Technology Co. , Ltd, China)
11:10	Break	
11:25	[18365] The Application Of Spatial Analysis And GIS Modeling At The Stage Of Solving The Reverse Problem In Mathematical Modeling Of Geofiltration * O. Koshliakov , O. Dyniak , I. Koshliakova (Taras Shevchenko National University of Kyiv)	[17711] Integration of geophysical, soil science and geospatial methods in the study of eroded soil O. Kruglov (Institute for Soil Science and Agrochemistry Research named after O. N. Sokolovsky), * O. Menshov (Taras Shevchenko National University of Kyiv), M. Miroshnychenko , M. Shevchenko (Institute for Soil Science and Agrochemistry Research named after O. N. Sokolovsky)
11:50	[18500] Structural analogies and homologues of the West Mediterranean and circum-Black Sea regions tectonic tailoring: Re-evaluating the uniform tectonic development model * A. Kitchka	[17630] Geodetic monitoring of the protective dam of the Lviv MSW landfill after reconstruction * I. Savchyn , V. Lozynskyi , Yu. Petryk , Kh. Marusazh (Lviv Polytechnic National University)

	(SE NaukaNaftogaz, Naftogaz Group, Ukraine), A. Tyshchenko (Institute of Geology, Taras Shevchenko National University of Kyiv, Ukraine, SE NaukaNaftogaz, Naftogaz Group, Ukraine), P. Kuzmenko (Institute of Geology, Taras Shevchenko National University of Kyiv, Ukraine, SE NaukaNaftogaz, Naftogaz Group, Ukraine)	
12:15	[18024] Estimation of neotectogenesis factors of the Middle Dnieper region by structural-morphometric method * L. V. Tustanovska , V. V. Shevchuk , O. M. Ivanik , K. P. Hadiatska , S. G. Volkova (Institute of Geology, Taras Shevchenko National University of Kyiv)	[17531] Distribution of heavy metals in potable groundwater of Dnieper-Donetsk artesian basin northwestern slope (as an example of Kyiv groundwater deposit) * T. O. Koshliakova , I. V. Kuraieva (M. P. Semenenko Institute of geochemistry, mineralogy and ore formation of the National Academy of sciences of Ukraine, Ukraine), O. Ye. Koshliakov (Institute of Geology of Taras Shevchenko National University of Kyiv, Ukraine)
12:40	[17672] Three-dimensional model of the Kocheriv section of the western part of the Ukrainian Shield V. Ilyenko (Institute of Geophysics NAS of Ukraine)	[18359] Local forecast of landslide hazards: case study from Kyiv region O. Ivanik , O. Shabaturo , R. Homenko , * K. Hadiatska , D. Kravchenko (Institute of Geology, Taras Shevchenko National University of Kyiv)
13:05	Break	
14:00	[18074] Specialized GIS for construction and analysis of digital models of regional line geological objects. Visualization means. * I. P. Dolinskiy (SE «Naukanaftogaz»), A. P. Lobasov (-), A. A. Haharin (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute")	[18134] Leading role of Dombrowski quarry as the source of groundwater contamination S. M. Bagriy , E. D. Kuzmenko , * U. O. Dzoba , L. I. Davybida (Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk)
14:25	[17885] Seismic and density heterogeneity distribution in the earth crust of the White Sea Region * L. I. Bakunovich , B. Z. Belashev , M. Yu. Nilov , N. V. Sharov (FGBUN FIC Karelian Research Centre, Russian Academy of Sciences Institute of Geology, Petrozavodsk)	[17553] Forecasting temperature behavior of soil in gas field exploitation areas M. M. Prykhodko , L. Y. Poberezhny , D. V. Kukhtar , V. V. Romaniuk , I. L. Bodnaruk , * A. V. Muliar (Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine)
14:50	[18450] Modeling of the potential fields transformants for the ring structure Illinetska * Y. I. Dubovenko , O. A. Chorna (Institute of Geophysics by S. I. Subbotin NAS of Ukraine), M. P. Kuzminets (National Transport University)	[18237] Generalization of the estimated probabilities of excess the mean annual runoff of the Pripjat River basin within Ukraine K. I. Sokolchuk (Taras Shevchenko National University of Kyiv)
15:15	[18456] Seismic velocity gradient stratification of the mantle at Ukrainian Shield * Y. I. Dubovenko , L. A. Shumlianska (Institute of Geophysics by S. I. Subbotin NAS of Ukraine), M. P. Kuzminets (National Transport University)	[18351] Influence evaluation of the regional hydrometeorological conditions on the development of landslides on the territory of Ukraine * Yu. V. Heruk , I. V. Chepurnyi (Ivano-Frankivsk National Technical University of Oil and Gas)
15:40	[18391] 3D geological modeling for mineral resource assessment of the Galeshchynske iron ore deposit, Ukraine O. Ivanik , * D. Vasiukhina (Taras Shevchenko National University of Kyiv)	[18423] Geoinformation toolkit for risk assessment of karst processes development I. Chepurnyi , V. Podholov , T. Chepurna , * B. Karpinskyi (Ivano-Frankivsk National Technical University of Oil and Gas)
16:05		

	02-Geoinformation Researches for Petroleum Exploration	07-Remote Sensing In Geosciences
9:30	[17273] Decision-making on increasing the efficiency of well operation using the gas-lift method *R. H. Kuliyeu (<i>Institute of Geology and Geophysics of Azerbaijan National Academy of Sciences</i>), G. M. Efendiyev (<i>Institute of Oil and Gas of Azerbaijan National Academy of Sciences</i>)	[18289] Comparison of the new gravity field model XGM2019e with other modern global models of the gravitational field for the Magadan region I. M. Hasanov (<i>NEISRI Far Eastern Branch of RAS, North-Eastern State University</i>), *L. A. Muravyev (<i>Institute of Geophysics Ural Branch the RAS, Ural Federal University</i>)
9:55	[17998] Seismic-facies research in the southern near-flank zone of the Dnieper-Donets basin *N. I. Nesina, V. V. Ohar (<i>Institute of Geology Taras Shevchenko National University of Kyiv</i>)	[18290] Identification of the largest impact structures in modern global datasets of geophysical fields L. A. Muravyev* (<i>Ural Federal University, Institute of Geophysics Ural Branch of RAS</i>)
10:20	[18121] Total Organic Carbon and Gamma Radioactivity Distribution of the Rudov Beds Formation within the Area Adjusted to Yablunivske O&G Field (Dnieper-Donets Basin) *O. Karpenko (<i>Taras Shevchenko National University of Kyiv</i>), V. Ohar (<i>Taras Shevchenko National University of Kyiv</i>), I. Karpenko (<i>Naftogaz Group</i>)	[18210] New experimental data on deep melts of the West Antarctic rift system separate segments V. Soloviev, V. Bakhmutov, I. Korchagin (<i>Institute of Geophysics of NAS of Ukraine</i>), N. Yakymchuk (<i>Institute of Applied Problems of Ecology, Geophysics and Geochemistry</i>)
10:45	[18142] Experience of the 3D interpretation of gravity data in the southeast of Volyno-Podillya S. G. Anikeyev, B. B. Hablovskiy, S. E. Rozlovska, M. V. Shtogryn, *A. E. Zagray (<i>Institute of Tourism and Geosciences</i>)	[18192] The new approach to forecasting areas with oil and gas prospects by classification method O. V. Titarenko, O. V. Sedlerova, *A. A. Andreiev (<i>Scientific Centre for Aerospace Research of the Earth National Academy of Sciences of Ukraine</i>)
11:10	Break	
11:25	[18145] The experiences with anisotropic averaging transformation of gravity and magnetic fields (on the example of the southeast part of Ukrainian Carpathians) S. G. Anikeyev, S. E. Rozlovska, B. B. Hablovskiy, M. V. Shtogryn, *M. O. Karpenko (<i>Institute of Tourism and Geosciences</i>)	[17822] The use of GIS in the morphological analysis of pistes S. Bortnyk , (<i>Taras Shevchenko National University of Kyiv; Jan Kochanowski University in Kielce, Poland</i>) N. Pohorilchuk, O. Kovtoniuk, *N. Korohoda (<i>Taras Shevchenko National University of Kyiv, Ukraine</i>)
11:50	[18424] The use of integrated geological, geophysical and technological information to divide a section into homogeneous intervals and make decisions when drilling wells *I. A. Piriverdiyev (<i>Institute of Oil and Gas of Azerbaijan National Academy of Sciences</i>)	[17471] Application of visible and long-wave infrared satellite data for hydrocarbon deposits prospecting *S. I. Golubov, M. S. Lubskiy (<i>State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Science of the National Academy of Sciences of Ukraine</i>)
12:15	[17946] Retrospective monitoring of changes in land areas under the quarries of the Irshan Mining Plant based on the analysis of different space images *S. I. Tymchenko (<i>Taras Shevchenko National University of Kyiv</i>), M. S. Kovalchuk (<i>Institute of Geological Sciences Academy of Sciences of Ukraine</i>), I. M. Baysarovych (<i>Taras Shevchenko National University of Kyiv</i>)	[17376] Study of spatiotemporal variations of summer land surface temperature in Kyiv, Ukraine using Landsat time series *D. Svidzinska, N. Korohoda (<i>Taras Shevchenko National University of Kyiv</i>)

12:35	[18279] The influence peculiarities of the chemical composition of washing liquids on the results of electrical and acoustic methods O. N. Trubenko, D. D. Fedoryshyn, *R. O. Marynychak, S. D. Fedoryshyn, A. O. Trubenko (<i>Ivano-Frankivsk National Technical University of Oil and Gas</i>)	[17493] A GIS and WUDAPT based mapping of the local climate zones in Ukrainian cities *O. Shevchenko, M. Matviienko, S. Snizhko (<i>Taras Shevchenko National University of Kyiv, Department of Meteorology and Climatology</i>)
12:50	[17576] On the study of geological characteristics of underground gas storage objects *V. M. Maniuk, N. V. Dubei, I. R. Mykhailiv, A. P. Boiko (<i>Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine</i>)	
13:05	Break	
14:00	[17661] Application of special petrophysical algorithms for select classes of reservoir rocks *Y. Khomyn, M. Maniuk, V. Khomyn, O. Paliychuk, I. Piatkovska, O. Maniuk (<i>Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk</i>)	03-Geoinformation Researches for Mineral Exploration [18503] Stratification analysis of productive layers of BIF deposits based on Markov chain theory *O. V. Plotnikov (<i>Kyryvyi Rih National University</i>), M. M. Kurylo (<i>Taras Shevchenko National University of Kyiv</i>), V. S. Stapay (<i>Kyryvyi Rih National University</i>)
14:25	[17799] Information criteria for oil and gas content Boryslav-Pokut'ska area of the Precarpathian deflection *R. Yaremak, G. Zhuchenko, V. Khomyn, G. Gorvanko, N. Goptarova (<i>Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine</i>)	[18309] New (?) calcium-thorium-uranium silicate (calciorthorouranite) from thorium-uranium ore albitites from the Novooleksivka ore occurrence, the Ukrainian Shield *I. Mihalchenko (<i>State Institution "The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine"</i>), A. Andreev (<i>Taras Shevchenko National University of Kyiv, Educational-Research Institute "Institute of Geology"</i>)
14:40	[17939] Factors affecting the value of oil and gas reserves in the bowels *M. O. Karpenko, I. R. Mykhailiv, A. P. Boiko, N. V. Dubei (<i>Ivano-Frankivsk National Technical University of Oil and Gas</i>)	[18420] Inner structure and kinematic of the Mankivska fault zone S. V. Mychak, *L. V. Farfuliak, A. V. Marchenko (<i>Institute of Geophysics, National Academy of Sciences of Ukraine, Kiev, Ukraine</i>), V. M. Belskyi (<i>M. P. Semenenko Institute of geochemistry, mineralogy and ore formation of the National Academy of sciences of Ukraine</i>)
14:55	[18107] The results of the geological-gravitational modeling of the deep structure of the underthrust of the Ukrainian Carpathians by means of regional cross-section L. S. Monchak, S. G. Anikeiev, T. V. Zderka, *N. P. Khovanets, A. V. Yarema, S. S. Kurovets (<i>Ivano-Frankivsk national technical university of oil and gas</i>)	[18137] 3-D «geochemical» modelling of molybdenum mineralization at the East flank of Serhiivka complex Au-Mo deposit V. Sukach (<i>Institute of geochemistry, mineralogy and ore formation, NAS of Ukraine</i>), *O. Hrinchenko (<i>Institute of Geology, Taras Shevchenko national university of Kyiv, Ukraine</i>), I. Antykhovych (<i>Halliburton, Houston, TX, USA</i>), L. Riazantseva (<i>State Enterprise «Pivdenukrgeology», Dnipro, Ukraine</i>)
15:10	[18119] Gas-geochemical predicting and system assessment of oil and gas prospects for the	[18428] Peculiarity of inelastic properties of sedimentary SiO ₂ , foam polystyrene

	purpose of increasing exploration efficiency A. V. Yarema, T. V. Zderka, S. S. Kurovets, *N. P. Khovanets (<i>Ivano-Frankivsk national technical university of oil and gas</i>)	*A. P. Onanko, D. V. Charnyi, Y. A. Onanko, M. P. Kulish, O. P. Dmytrenko, R. V. Homenko (<i>Taras Shevchenko National University of Kyiv</i>)
15:25		[18429] Peculiarity of elastic characteristics of sedimentary SiO ₂ , zeolite, foam polystyrene *A. P. Onanko, D. V. Charnyi, Y. A. Onanko, M. P. Kulish, O. P. Dmytrenko, S. A. Popov (<i>Taras Shevchenko National University of Kyiv</i>)

INVITATION



landslide `20

Dear colleagues!

Second EAGE Workshop on assessment of landslide hazards and impact on communities based on the monitoring and modelling of these processes using integrated techniques. The aim of this workshop is to introduce the impact of these processes on the building, transport, recreational infrastructure and to discuss what needs to be done to minimize the risk of natural hazards.

The Workshop will be co-organized and partly funded by Research England Global Challenges Research Fund (GCRF), provided by Research England within the framework of Research Project “Building landslide-resilient communities” (City, University of London and Taras Shevchenko National University of Kyiv (Ukraine).



The Workshop offers a rich scientific programme and a great opportunity to obtain useful information about landslide activity, to join the scientific debate, create partnerships, and to participate in informal meetings, plus interesting and fascinating field excursions within the Middle Dnieper Area. It is also important to note that the conference wel-

comes students and young scientists in order to provide the venue where they can demonstrate and implement their experience in research, as well as absorb the knowledge and skills from experienced scholars.

The workshop will take place in the wonderful city with a lively history – Kyiv, capital of Ukraine. The city’s well-preserved historic center has a lot of attractions. The Kyiv Opera House is dazzling and hosts world-class performances.

TECHNICAL PROGRAMME TOPICS

01 Regional and local forecasting of landslides

02 Monitoring and multiscale modelling of landslides and debris flows

03 Assessment of natural hazards and new techniques for risk mitigation

04 Building landslide-resilient communities and social aspects of landslide hazards assessment

05 Geophysical methods and Remote sensing for landslide investigations

IMPORTANT DATES

Call for papers deadline	15 August 2020
Notification about the <i>Programme to the Authors</i>	1 September 2020
Workshop	8-11 September 2020

VENUE: Taras Shevchenko National University of Kyiv, Vasilkivska str., 90

CONTACTS: <https://eage.eventsair.com/landslide-2020/>



EAGE KIEV LOCAL CHAPTER INVITES TO XIV International Scientific Conference

«Monitoring of geological processes and ecological condition of the environment (MGPECE)» 10–13 November 2020, Kyiv, Ukraine

European Association of Geoscientists and Engineers (EAGE) with ESI “Institute of Geology” of Taras Shevchenko National University of Kyiv with organizes a **XIV International Conference on ‘Monitoring of geological processes and ecological condition of the environment (MGPECE)’** dedicated to monitoring of natural hazards, which include both geological hazards, and study the geological factors that can lead to environmental disasters. The conference will include new approaches of using geological and geophysical methods for natural and man-made processes assessment, as well as ecological analysis of territories.

Objective of this event is to facilitate exchange of valuable scientific experience, integration of different sectors of research, and improvement of interagency and international cooperation.

TOPICS OF THE CONFERENCE

- Radioecology and problems of radioactive waste disposal
- Modern technologies of geophysical monitoring
- Monitoring and modelling of natural hazards and new technologies for risk minimization and prevention
- Geophysics in engineering geology, soil science, archaeology

IMPORTANT DATES

1 April – 15 September– Call for papers

15 September - notification about the Programme to the Authors

10 November – registration and accommodation of participants

11–13 November – Conference

VENUE AND CONTACTS

ESI “Institute of geology” of Taras Shevchenko National University of Kyiv.
03022 Kyiv, Vasylykivska street, 90.

Tel: +380(44) 259-70-30, tel./fax: +380(44) 521-33-42, 521-33-38,

E-mail: geoconf@ukr.net www: <http://geol.in.ua/>



During the conference a tour to the Chernobyl zone will be organized.

INTERNATIONAL CONFERENCE OF YOUNG PROFESSIONALS



«GEOTERRACE-2020»

<https://openreviewhub.org/geoterrace>

December 7-9, 2020
Lviv, Ukraine

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.

Topics		Important dates
1.	Engineering Surveying & Deformation Monitoring	● Deadline paper submission – 01/10/2020
2.	GNSS & Satellite Geodesy	
3.	Earth Surface Processes & Geodynamics	● Deadline for notification of paper acceptance or rejection – 15/10/2020
4.	3d Modelling & Visualization for Geology & Mining	
5.	Modern Geodesy in Petroleum & Mineral Exploration	● Deadline for registration – 01/12/2020
6.	Remote Sensing & GIS for Environmental Monitoring	
7.	Land Cover Mapping & UAV	
8.	Sectoral Cadastres for Environmental Management	