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5TH JUBILEE INTERNATIONAL SCIENTIFIC CONFERENCE
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CONFERENCE PROGRAMME

13-14 JUNE 2019
SOFIA, REPUBLIC OF BULGARIA



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FACULTY OF NATURAL
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МАКЕДОНСКО ГЕОГРАФСКО ДРУШТВО
1949
MACEDONIAN GEOGRAPHICAL SOCIETY



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TIME TABLE

Day 1, 13.06.2019

Location: METROPOLITAN HOTEL SOFIA

08:00 - 09:00 REGISTRATION
09:00 - 09:15 OPENING CEREMONY
09:15 - 09:25 GENERAL SPONSOR SPEECH
09:35 - 11:50 FIRST SESSION (*all sections*)
11: 50 - 12:10 COFFEE BREAK
12:10 - 13:55 SECOND SESSION (*all sections*)
13:55 - 14:00 GROUP PHOTO SESSION
14:00 - 14:55 LUNCH BREAK
14:55 - 16:40 THIRD SESSION (*all sections*)
16:40 - 17:10 POSTER SESSION AND SHORT BREAK
17:10 - 19:25 FOURTH SESSION (*all sections*)
19:30 - 21:00 DINNER TIME
from 21:00 SOCIALIZING AND COCTAIL

Day 2, 14.06.2019

Location: SOFIA - SAEVA DUPKA - LOVECH - DEVETASHKA CAVE - SOFIA

08:00 - 19:30 FIELD TRIP

GEOBALCANICA 2019

Metropolitan Hotel Sofia

Day 1, 13.06.2019

OFFICIAL OPENING		
09:00 - 09:15	PRESIDENT WELCOME SPEECH	
GENEREAL SPONSOR SPEECH		
09:15 - 09:25	<i>Speaker:</i> Aleksandar Todorov <i>Affiliation:</i> Here Technologies <i>Position:</i> Head of regional unit - Bulgaria and Macedonia	

**ORAL
PRESENTATIONS**

SECTION: PHYSICAL GEOGRAPHY, CARTOGRAPHY, GIS & SPATIAL PLANNING

FIRST ORAL SESSION


Chairman: Metodi Ivanov, Tuba Kose

1	9:35 - 9:50	<p>ANTHROPOGENIC RELIEF TRANSFORMATION OF LAST GLACIAL AREA: CASE STUDY AT RYCHNOWO V (N POLAND) <i>Authors:</i> Tomasz Kalicki, Mariusz Chrabąszcz, Igor Maciszewski, Paweł Przepióra <i>Speaker:</i> Tomasz Kalicki <i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland</p>
2	9:50 - 10:05	<p>ANTHROPOGENIC SPHERICAL PARTICLES FROM SOLID FUEL BURNING PROCESSES <i>Authors:</i> Tomasz Kalicki, Paweł Przepióra, Piotr Kusztal <i>Speaker:</i> Paweł Przepióra <i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland</p>
3	10:05 - 10:20	<p>TOWARD STRUCTURE OF GEOSPATIAL DATABASE USED FOR GIS-BASED CLIMATE CHANGE MODELING <i>Authors:</i> Ivan Rykin, Evgeny Panidi, Alyona Shagnieva, Valery Tsepelev <i>Speaker:</i> Evgeny Panidi <i>Affiliation:</i> Saint Petersburg State University, Russia</p>
4	10:20 - 10:35	<p>OPEN SOURCE FLOOD MAPPING TOOLS – QGIS, RIVER GIS AND HEC-RAS <i>Authors:</i> Catalin Ioan Cimpianu, Alin Miha-Pintilie <i>Speaker:</i> Catalin Ioan Cimpianu <i>Affiliation:</i> Alexandru Ioan Cuza University of Iași, Romania</p>
5	10:35 - 10:50	<p>OUTLINES OF THE ÇAYIRBAĞI OPHIOLITES OF KONYA (CENTRAL ANATOLIA) <i>Authors:</i> Arif Selçuk Peköz, Kerim Koçak <i>Speaker:</i> Arif Selçuk Peköz <i>Affiliation:</i> Konya Technical University, Turkey</p>
6	10:50 - 11:05	<p>CULTURAL VALUES OF THE GEOHERITAGE IN THE REPUBLIC OF MACEDONIA <i>Authors:</i> Anita Todorova, Dragan Kolchakovski <i>Speaker:</i> Anita Todorova <i>Affiliation:</i> University of "Ss Cyril and Methodius", North Macedonia</p>
7	11:05 - 11:20	<p>DETECTION OF SPATIO-TEMPORAL CHANGES CAUSED BY GULLY EROSION USING THE REPEAT UAV PHOTOGRAMMETRY <i>Authors:</i> Fran Domazetović, Ante Šiljeg, Nina Lončar, Ivan Marić <i>Speaker:</i> Fran Domazetović <i>Affiliation:</i> University of Zadar, Croatia</p>
8	11:20 - 11:35	<p>GEOARCHAEOLOGICAL CONTEXT OF ARCHAEOLOGICAL SITE AT KRAKÓW-STRADOM (SOUTHERN POLAND) <i>Authors:</i> Tomasz Kalicki, Marcin Frączek, Radosław Czerniak <i>Speaker:</i> Marcin Frączek <i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland</p>
9	11:35 - 11:50	<p>GEOPHYSICAL INVESTIGATIONS IN "STARITE KOLIBI" MARBLE DEPOSIT IN CENTRAL SOUTHERN BULGARIA <i>Authors:</i> Maya Grigorova, Ivaylo Koprev <i>Speaker:</i> Maya Grigorova <i>Affiliation:</i> University of Mining and Geology "St. Ivan Rilski", Bulgaria</p>
	11:50 - 12:10	Coffee break

SECTION: PHYSICAL GEOGRAPHY, CARTOGRAPHY, GIS & SPATIAL PLANNING

SECOND ORAL SESSION

Chairman: Catalin Ioan Cimpianu, Popa Mihnea Cristian

10	12:10 - 12:25	<p align="center">GEOARCHAEOLOGY OF "VALLEY FORTS": CASE STUDY AT JATWIEŻ DUŻA (PODLASIE, E-POLAND) - FIRST RESULTS</p> <p><i>Authors:</i> Paweł Przepióra, Krzysztof Żurek, Tomasz Kalicki, Marcin Frączek, Adam Wawrusiewicz</p> <p><i>Speaker:</i> Marcin Frączek</p> <p><i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland</p>
11	12:25 - 12:40	<p align="center">METHODOLOGICAL APPROACHES IN ASSESSING THE ECONOMIC PRESSURE ON FOREST RESOURCES. CASE STUDY: APUSENI MOUNTAINS</p> <p><i>Authors:</i> Adrian Gabriel Simion, Marian Marin, Iulia Daniela Nedelcu, Mihnea Cristian Popa, Daniel Peptenatu</p> <p><i>Speaker:</i> Adrian Gabriel Simion</p> <p><i>Affiliation:</i> University of Bucharest, Romania</p>
12	12:40 - 12:55	<p align="center">CRYSTALLISATION CONDITIONS OF IGNEOUS EPIDOTE IN A METAMORPHIC SOLE FROM NEOTETHYAN OPHIOLITIC MELANGE, KONYA, CENTRAL SOUTHERN TURKEY</p> <p><i>Authors:</i> Kerim Kocak, Raziye Kaya</p> <p><i>Speaker:</i> Kerim Kocak</p> <p><i>Affiliation:</i> Konya Technical University, Turkey</p>
13	12:55 - 13:10	<p align="center">IN DANGER AND ALREADY EXTINCT OBJECTS OF THE GEOHERITAGE IN THE REPUBLIC OF MACEDONIA</p> <p><i>Authors:</i> Anita Todorova, Dragan Kolchakovski</p> <p><i>Speaker:</i> Anita Todorova</p> <p><i>Affiliation:</i> University of "Ss Cyril and Methodius", North Macedonia</p>
14	13:10 - 13:25	<p align="center">INTEGRATING SPATIAL PLANNING SYSTEMS IN THE FORMING OF REGIONAL POLICY IN CERTAIN COUNTRIES OF THE EUROPEAN UNION</p> <p><i>Authors:</i> Metodi Ivanov</p> <p><i>Speaker:</i> Metodi Ivanov</p> <p><i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria</p>
15	13:25 - 13:40	<p align="center">MAGNETIC ANTHROPOGENIC PARTICLES IN SOIL AS A RECORD OF ANTHROPOCENE</p> <p><i>Authors:</i> Wilczyńska-Michalik Wanda, Michalik Jan, Zimirska Agata, Michalik Marek, Dietrich Agata, Kuca Angelika</p> <p><i>Speaker:</i> Wilczyńska-Michalik Wanda</p> <p><i>Affiliation:</i> Pedagogical University of Cracow, Poland</p>
16	13:40 - 13:55	<p align="center">DIFFERENTIATION OF SEDIMENTS IN THE SUCHEDNIÓW WATER RESERVOIR (ŚWIĘTOKRZYSKIE VOIVODESHIP, POLAND)</p> <p><i>Authors:</i> Tomasz Kalicki, Paweł Przepióra, Piotr Biesaga, Piotr Kuszta, Marcin Frączek</p> <p><i>Speaker:</i> Paweł Przepióra</p> <p><i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland</p>
	13:55 - 14:00	<p>Group photo session    #geobalcanica</p>
	14:00 - 14:55	Lunch Time

SECTION: PHYSICAL GEOGRAPHY, CARTOGRAPHY, GIS & SPATIAL PLANNING**THIRD ORAL SESSION**

Chairman: Anita Todorova, Adrian Gabriel Simion

17	14:55 - 15:10	CHANGES IN THE COURSE OF THE KRASNA RIVER IN THE ESTUARY SECTION (POLISH UPLANDS) <i>Authors:</i> Tomasz Kalicki, Karolina Fularczyk <i>Speaker:</i> Tomasz Kalicki <i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland
18	15:10 - 15:25	COMPARATIVE EVALUATION OF NOSQL AND RELATIONAL DATABASES PERFORMANCE WHILE ANALYZING SEMI-STRUCTURED GEOSPATIAL DATA <i>Authors:</i> Mohamad Hasan, Evgeny Panidi <i>Speaker:</i> Evgeny Panidi <i>Affiliation:</i> Saint Petersburg State University, Russia
19	15:25 - 15:40	MODELS OF DYNAMIC EVOLUTION OF SVISTOVSKO-BELENSKA WETLAND SYSTEM <i>Authors:</i> Georgi Zhelezov <i>Speaker:</i> Georgi Zhelezov <i>Affiliation:</i> Bulgarian Academy of Sciences, Bulgaria
20	15:40 - 15:55	MODERN CLIMATE CHANGE AS A FACTOR IN THE DEVELOPMENT OF THE LANDSCAPES OF CENTRAL RUSSIAN FOREST-STEPPE (ON EXAMPLE OF KURSK REGION) <i>Authors:</i> Lukashova Olga Pavlovna, Bogatyreva Margarita Alekseevna, Dmitrova Elena Sergeevna <i>Speaker:</i> Lukashova Olga Pavlovna <i>Affiliation:</i> Kursk state University, Russia
21	15:55 - 16:10	MODEL BASED ASSESSMENT OF THE URANIUM MIGRATION IN THE VADOSE ZONE IN THE VICINITY OF FORMER URANIUM MINES IN SOUTH BULGARIA <i>Authors:</i> Sava Kolev, Dimitar Antonov, Vladimir Hristov <i>Speaker:</i> Sava Kolev <i>Affiliation:</i> Bulgarian Academy of Sciences, Bulgaria
22	16:10 - 16:25	MINERALOGICAL CHARACTERISTICS OF THE AMPHIBOLES FROM CRETACEOUS HORNBLENDE GABBRO OF CENTRAL ANATOLIAN OPHIOLITES, DEVEDAMI/AKSARAY AREA, CENTRAL TURKEY <i>Authors:</i> Kerim Kocak, Bilal F. Kayhan <i>Speaker:</i> Kerim Kocak <i>Affiliation:</i> Konya Technical University, Turkey
23	16:25 - 16:40	PERMAFROST INVESTIGATIONS IN THE HIGHEST MOUNTAINS OF BULGARIA AND ROMANIAN CARPATHIANS (ROMANIA) <i>Authors:</i> Alexandru-Lucian Onaca, Mircea Voiculescu, Brigitte Magori, Flavius Sirbu, Florina Ardelean <i>Speaker:</i> Alexandru-Lucian Onaca <i>Affiliation:</i> West University of Timisoara, Romania
	16:40 - 17:10	Poster session and short break

SECTION: PHYSICAL GEOGRAPHY, CARTOGRAPHY, GIS & SPATIAL PLANNING**FOURTH ORAL SESSION**

Chairman: Fran Domazetović, Alexandru-Lucian Onaca

24	17:10 - 17:25	REGIONAL POLICY OF THE EUROPEAN UNION AS A MEANS OF THE CONSOLIDATION OF THE SMART CITIES AND REGIONAL PLANNING <i>Authors:</i> Metodi Ivanov <i>Speaker:</i> Metodi Ivanov <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
25	17:25 - 17:40	RESTORING THE DANUBE FLOODPLAIN ECOSYSTEM BETWEEN OLTENIȚA - CĂLĂRAȘI BY ENCHANCING THE LATERAL CONNECTIVITY <i>Authors:</i> Popa Mihnea Cristian, Diaconu Daniel Constantin <i>Speaker:</i> Popa Mihnea Cristian <i>Affiliation:</i> University of Bucharest, Romania
26	17:40 - 17:55	SILTING OF THE SIELPIA WATER RESERVOIR IN THE 20th AND 21st C. (CENTRAL POLAND) <i>Authors:</i> Michał Aksamit, Piotr Kuształ, Tomasz Kalicki, Paulina Grzeszczyk, Paweł Przepióra <i>Speaker:</i> Paweł Przepióra <i>Affiliation:</i> Jan Kochanowski University in Kielce, Poland
27	17:55 - 18:10	TEMPORARY DYNAMICS OF WATER TEMPERATURE IN THE CARPATHIAN DAM RESERVOIR (BESKO IN THE UPPER VISTULA BASIN) <i>Authors:</i> Łukasz Wiejaczka <i>Speaker:</i> Łukasz Wiejaczka <i>Affiliation:</i> Polish Academy of Sciences, Poland
28	18:10 - 18:25	HYDROGEOCHEMICAL CHARACTERISTICS OF THE AYGIR GEDIĞI SPRING, BOZKIR/KONYA, SOUTHERN TURKEY <i>Authors:</i> Tuba Kose, Guler Gocmez, Kerim Kocak <i>Speaker:</i> Kerim Kocak <i>Affiliation:</i> Konya Technical University, Turkey
29	18:25 - 18:40	UAS BASED RAPID MAPPING AND ASSESSMENT OF SAND DUNES ALONG THE BULGARIAN BLACK SEA COST: THE CASE OF "CORAL" BEACH <i>Authors:</i> Stelian Dimitrov, Vesela Savova <i>Speaker:</i> Stelian Dimitrov <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
30	18:40 - 18:55	UPPER STREAM OF THE RIVER SANA - JUSTIFICATION OF BUILDING HYDRO POWER PLANTS WITH RESPECTIVE ACCUMULATIONS <i>Authors:</i> Vesna Rajčević, Tanja Mišlicki-Tomic <i>Speaker:</i> Vesna Rajčević <i>Affiliation:</i> University of Banja Luka, Bosnia and Herzegovina
31	18:55 - 19:10	REGIONAL-GEOGRAPHICAL DETERMINANTS OF THE ADMINISTRATIVE AREA OF WESTERN AUSTRALIA <i>Authors:</i> Bojana Jandžiković <i>Speaker:</i> Bojana Jandžiković <i>Affiliation:</i> University of Pristina, Kosovo
	19:30 - 21:00	Dinner Time
	from 21:00	Socializing and cocktail

SECTION: SOCIO-ECONOMIC GEOGRAPHY; TEACHING AND EDUCATION IN GEOGRAPHY**FIRST ORAL SESSION**

Chairman: Elisaveta Petrova-Geretto, Andreea Karina Gruia

1	9:35 - 9:50	ATTRIBUTES THAT CONTRIBUTE TO GUEST SATISFACTION: A COMPARATIVE STUDY OF REVIEWS POSTED ON BOOKING.COM AND AIRBNB'S PLATFORM <i>Authors:</i> Istvan Egresi, Viorel Puiu, Vasile Zotic, Diana Alexandru <i>Speaker:</i> Istvan Egresi <i>Affiliation:</i> Babes-Bolyai University, Romania
2	9:50 - 10:05	CHILDBEARING OUTSIDE MARRIAGE –A CASE STUDY OF MACEDONIA <i>Authors:</i> Marija Ljakoska <i>Speaker:</i> Marija Ljakoska <i>Affiliation:</i> University of Ss. Cyril and Methodius – Skopje, North Macedonia
3	10:05 - 10:20	DIDACTIC TOOLS AND GEOGRAPHY TRAINING <i>Authors:</i> Maya Vasileva <i>Speaker:</i> Maya Vasileva <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
4	10:20 - 10:35	DIGITAL CHALLENGES TO GEOGRAPHY EDUCATION IN BULGARIA <i>Authors:</i> Georgi Kotseff <i>Speaker:</i> Georgi Kotseff <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
5	10:35 - 10:50	EAST HERZEGOVINA: THE CHALLENGES OF SUSTAINABLE DEVELOPMENT <i>Authors:</i> Goran Mutabdzija <i>Speaker:</i> Goran Mutabdzija <i>Affiliation:</i> University of East Sarajevo, Bosnia and Herzegovina
6	10:50 - 11:05	ECONOMIC CONVERGENCE IN THE CONTEXT OF OVERCOMING THE INTRA-REGIONAL DISPARITIES IN BULGARIA <i>Authors:</i> Nikolay Katsarski <i>Speaker:</i> Nikolay Katsarski <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
7	11:05 - 11:20	THE POSSIBILITIES AND CHALLENGES FOR SUSTAINABLE TRANSPORT IN ALBANIA (CASE STUDY: SHKODRA CITY) <i>Authors:</i> Antonio Kici, Sonila Papathimiu <i>Speaker:</i> Sonila Papathimiu <i>Affiliation:</i> University of Tirana, Albania
8	11:20 - 11:35	SIX CONCEPTIONS OF SPACE: RURAL/URBAN REVISITED <i>Authors:</i> Mirek Dymitrow <i>Speaker:</i> Mirek Dymitrow <i>Affiliation:</i> University of Gothenburg, Sweden
9	11:35 - 11:50	MUNICIPAL DIVORCES - THE UNDER-RESEARCHED TOPIC OF TERRITORIAL REFORMS <i>Authors:</i> Paweł Swianiewicz <i>Speaker:</i> Paweł Swianiewicz <i>Affiliation:</i> Univeristy of Warsaw, Poland
	11:50 - 12:10	Coffee break

SECTION: SOCIO-ECONOMIC GEOGRAPHY; TEACHING AND EDUCATION IN GEOGRAPHY**SECOND ORAL SESSION**

Chairman: Jurica Botić, Istvan Egresi		
10	12:10 - 12:25	<p>UNIVERSITY CITIES AND THEIR ROLE IN THE SPATIAL DISTRIBUTION OF CREATIVE ECONOMIES</p> <p><i>Authors:</i> Marian Marin, Radu-Daniel Pintilii, Andreea Karina Gruia, Daniel Peptenatu, Alexandra Grecu</p> <p><i>Speaker:</i> Marian Marin</p> <p><i>Affiliation:</i> University of Bucharest, Romania</p>
11	12:25 - 12:40	<p>PATIENTS' OPINION ON HEALTH CARE QUALITY IN MUNICIPAL (COMMUNITY) HOSPITALS IN BULGARIA</p> <p><i>Authors:</i> Elisaveta Petrova-Geretto, Zlatitsa Petrova</p> <p><i>Speaker:</i> Elisaveta Petrova-Geretto</p> <p><i>Affiliation:</i> Medical University - Sofia, Bulgaria</p>
12	12:40 - 12:55	<p>POLITICAL-GEOGRAPHICAL DETERMINANTS OF CONTEMPORARY GEODEMOGRAPHIC CHARACTERISTICS OF BOSNIA AND HERZEGOVINA WITH SPECIAL EMPHASIS TO TERRITORIAL POPULATION DISTRIBUTION</p> <p><i>Authors:</i> Igor Zekanović</p> <p><i>Speaker:</i> Igor Zekanović</p> <p><i>Affiliation:</i> University of Banja Luka, Bosnia and Herzegovina</p>
13	12:55 - 13:10	<p>PROJECTION OF THE ROMA POPULATION IN BULGARIA (2020-2050)</p> <p><i>Authors:</i> Nadezhda Ilieva, Boris Kazakov</p> <p><i>Speaker:</i> Boris Kazakov</p> <p><i>Affiliation:</i> Bulgarian Academy of Sciences, Bulgaria</p>
14	13:10 - 13:25	<p>PROSPECTS FOR THE DEVELOPMENT OF SPA TOURISM IN ROMANIA</p> <p><i>Authors:</i> Grecu Alexandra, Drăghici Cristian Constantin, Gruia Andreea Karina, Teodorescu Camelia, Peptenatu Daniel</p> <p><i>Speaker:</i> Grecu Alexandra</p> <p><i>Affiliation:</i> University of Bucharest, Romania</p>
15	13:25 - 13:40	<p>RURAL FEATURES OF THE BANJA LUKA REGION IN THE FUNCTION OF RURAL DEVELOPMENT</p> <p><i>Authors:</i> Tanja Mišlicki-Tomić, Vesna Rajčević</p> <p><i>Speaker:</i> Tanja Mišlicki-Tomić</p> <p><i>Affiliation:</i> University of Banja Luka, Bosnia and Herzegovina</p>
16	13:40 - 13:55	<p>FUNCTIONAL DEVELOPMENT OF SETTLEMENTS - THEORY AND REALITY</p> <p><i>Authors:</i> Mirjanka Madjevikj, Biljana Apostolovska Toshevaska, Marija Ljakoska</p> <p><i>Speaker:</i> Marija Ljakoska</p> <p><i>Affiliation:</i> University of Ss. Cyril and Methodius - Skopje, North Macedonia</p>
	13:55 - 14:00	Group photo session in   #geobalkanica
	14:00 - 14:55	Lunch Time

SECTION: SOCIO-ECONOMIC GEOGRAPHY; TEACHING AND EDUCATION IN GEOGRAPHY**THIRD ORAL SESSION**

Chairman: Alexandra Grecu, Sonila Papathimiu

17	14:55 - 15:10	SPATIAL DISTRIBUTION PATTERNS OF AIRBNB ACCOMMODATIONS IN CLUJ-NAPOCA, ROMANIA <i>Authors:</i> Viorel Puiu, Istvan Egresi, Diana Alexandru, Vasile Zotic <i>Speaker:</i> Istvan Egresi <i>Affiliation:</i> Babes-Bolyai University, Romania
18	15:10 - 15:25	SPATIO-TEMPORAL TRANSFORMATIONS OF THE RELIGIOUS LANDSCAPE OF BOSNIA AND HERZEGOVINA: THE CITY OF MOSTAR AS AN EXAMPLE OF TERRITORIALIZATION OF ETHNO-RELIGIOUS IDENTITIES <i>Authors:</i> Jurica Botić, Ante Šiljeg, Mirko Barada, Robert M. Hayden, Mario Katić <i>Speaker:</i> Jurica Botić <i>Affiliation:</i> University of Zagreb, Croatia
19	15:25 - 15:40	STRUCTURAL DYNAMICS OF CREATIVE ECONOMIES IN EMERGING TERRITORIAL SYSTEMS. CASE STUDY BUCHAREST-ILFOV DEVELOPMENT REGION <i>Authors:</i> Andreea Karina Gruia, Alexandra Grecu, Marian Marin, Ion Andronache, Adrian-Gabriel Simion <i>Speaker:</i> Andreea Karina Gruia <i>Affiliation:</i> University of Bucharest, Romania
20	15:40 - 15:55	THE IDEA OF GOD OR GEOGRAPHY BETWEEN ANTIQUES AND ENLIGHTENMENT: A MEETING OF CHRISTIAN AND ARAB GEOGRAPHY IN THE MIDDLE AGES <i>Authors:</i> Goran Mutabdzija <i>Speaker:</i> Goran Mutabdzija <i>Affiliation:</i> University of East Sarajevo, Bosnia and Herzegovina
21	15:55 - 16:10	THE IMPORTANCE OF UNIVERSITY IN THE PREPARATION OF THE NEW GENERATION OF GEOGRAPHY TEACHERS <i>Authors:</i> Albana Kosovrasti <i>Speaker:</i> Albana Kosovrasti <i>Affiliation:</i> University of Tirana, Albania
22	16:10 - 16:25	HOW CAN WE USE "THE HOUSE OF GEOGRAPHY EDUCATION" IN BULGARIAN GEOGRAPHY TRAINING AND EDUCATION? <i>Authors:</i> Maya Vasileva, Dessislava Poleganova <i>Speaker:</i> Maya Vasileva <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria
23	16:25 - 16:40	TRANSPORT POLICY AND LANDLOCKED COUNTRIES: HOW TO MINIMIZE GEOGRAPHICAL HANDICAP AND KEEP ABREAST OF GLOBAL BUSINESS COMPETENCES <i>Authors:</i> Riste Temjanovski <i>Speaker:</i> Riste Temjanovski <i>Affiliation:</i> University "Goce Delcev" – Stip, North Macedonia
	16:40 - 17:10	Poster session and short break

SECTION: SOCIO-ECONOMIC GEOGRAPHY; TEACHING AND EDUCATION IN GEOGRAPHY**FOURTH ORAL SESSION**

Chairman: Marija Ljakoska, Boris Kazakov

24	17:10 - 17:25	THE ROLE OF TOURISM IN THE DEVELOPMENT OF LOCAL ECONOMY IN ROMANIA <i>Authors:</i> Grecu Alexandra, Gruia Andreea Karina, Simion Adrian Gabriel, Joita Oana-Elena, Predescu Elena Alisa <i>Speaker:</i> Grecu Alexandra <i>Affiliation:</i> University of Bucharest, Romania
25	17:25 - 17:40	THE SOCIAL MARKETING STRATEGY AND TRANSPORT POLICY TO IMPROVING THE QUALITY OF LIFE IN URBAN AREA <i>Authors:</i> Riste Temjanovski <i>Speaker:</i> Riste Temjanovski <i>Affiliation:</i> University "Goce Delcev" - Stip, North Macedonia
26	17:40 - 17:55	THREATS AND RISKS TO EUROPEAN UNION SECURITY RELATED TO MIGRATION <i>Authors:</i> Nikolay Katsarski <i>Speaker:</i> Nikolay Katsarski <i>Affiliation:</i> Sofia University, Bulgaria
27	17:55 - 18:10	THE POTENTIALS AND THE TENDENCIES OF THE ECONOMIC DEVELOPMENT OF KLOS MUNICIPALITY <i>Authors:</i> Fatjon Bebja, Sonila Papatimiu <i>Speaker:</i> Sonila Papatimiu <i>Affiliation:</i> University of Tirana, Albania
28	18:10 - 18:25	TRENDS IN THE EVOLUTION OF REGIONAL DISPARITIES OF ONCOLOGICAL PREVALENCE AND MORTALITY IN ROMANIA <i>Authors:</i> Iulia Daniela Nedelcu, Adrian Gabriel Simion, Alisa Predescu, Oana Candit, Daniel Peptenatu <i>Speaker:</i> Iulia Daniela Nedelcu <i>Affiliation:</i> University of Bucharest, Romania
29	18:25 - 18:40	TRENDS IN THE SPATIAL DISTRIBUTION OF CREATIVE ECONOMIES IN ROMANIA <i>Authors:</i> Andreea Karina Gruia, Alexandra Grecu, Marian Marin, Elena Alisa Predescu, Camelia Teodorescu <i>Speaker:</i> Andreea Karina Gruia <i>Affiliation:</i> University of Bucharest, Romania
	19:30 - 21:00	Dinner Time
	from 21:00	Socializing and cocktail

**POSTER
PRESENTATIONS**

SECTION: PHYSICAL GEOGRAPHY

POSTER SESSION

1	16:40 - 17:10	<p>3D IMAGE BASED MODELLING OF SMALL TUFA SAMPLES USING MACRO LENS IN DIGITAL VERY CLOSE RANGE PHOTOGRAMMETRY</p> <p><i>Authors:</i> Ivan Marić, Ante Šiljeg, Neven Cukrov, Vlatko Roland, Gordana Goreta</p> <p><i>Presenter:</i> Ivan Marić</p> <p><i>Affiliation:</i> University of Zadar, Croatia</p>
2		<p>ATMOSPHERIC PRECIPITATIONS GREATER THAN 10 MM IN THE SOUTHERN CENTRAL PART OF THE ROMANIAN PLAIN AND THEIR SYNOPTIC CAUSES</p> <p><i>Authors:</i> Radu-Vlad Dobri, Liviu Apostol, Lucian Sfică</p> <p><i>Presenter:</i> Radu-Vlad Dobri</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>
3		<p>CONTEMPORARY CLIMATE CHANGES AS A FACTOR FOR CENTRAL RUSSIAN FOREST-STEPPE LANDSCAPE DEVELOPMENT (IN THE KURSK REGION TAKEN AS AN EXAMPLE)</p> <p><i>Authors:</i> Lukashova O.P, Soshnikova I.Y, Bogatyreva M.A, Dmitrova E.S</p> <p><i>Presenter:</i> Olga Lukashova</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>
4		<p>FLOODS IN THE MOUNTAIN STREAM IN THE WESTERN CARPATHIANS (SOUTH EAST POLAND)</p> <p><i>Authors:</i> Witold Bochenek</p> <p><i>Presenter:</i> Witold Bochenek</p> <p><i>Affiliation:</i> Polish Academy of Sciences, Poland</p>
5		<p>GEOGRAPHICAL STUDIES OF THE FORMATION OF CULTURAL AND HISTORICAL LANDSCAPES OF ANCIENT RUSSIAN CITIES ALONG THE GREAT VOLGA WATERWAY</p> <p><i>Authors:</i> Natalia Erman, Viacheslav Nizovtsev</p> <p><i>Presenter:</i> Natalia Erman</p> <p><i>Affiliation:</i> Russian Academy of Sciences, Russia</p>
6		<p>GEOLOGICAL CHARACTERISTIC OF "STARITE KOLIBI" MARBLE DEPOSIT IN ASENOVGRAD DISTRICT</p> <p><i>Authors:</i> Maya Grigorova, Ivaylo Koprev</p> <p><i>Presenter:</i> Maya Grigorova</p> <p><i>Affiliation:</i> University of Mining and Geology "St. Ivan Rilski", Bulgaria</p>
7		<p>HUMAN IMPACT ON FUNCTIONING OF RIVER CHANNELS IN THE POLISH CARPATHIAN IN THE LAST 50 YEARS</p> <p><i>Authors:</i> Malgorzata Kijowska-Strugala</p> <p><i>Presenter:</i> Malgorzata Kijowska-Strugala</p> <p><i>Affiliation:</i> Polish Academy of Sciences, Poland</p>
8		<p>HUMAN IMPACT ON THE RIVER CHANNEL MORPHOLOGY IN THE HIMALAYAS AND ITS PIEDMONT (INDIA)</p> <p><i>Authors:</i> Łukasz Wiejaczka</p> <p><i>Presenter:</i> Łukasz Wiejaczka</p> <p><i>Affiliation:</i> Polish Academy of Sciences, Poland</p>

SECTION: PHYSICAL GEOGRAPHY

POSTER SESSION

9	16:40 - 17:10	HYDROLOGICAL DROUGHT EXPERIENCED IN THE TREBES - NEGEL REPRESENTATIVE BASIN DURING 2013-2017 <i>Authors:</i> Larisa Elena Paveluc, Gianina Maria Cojoc, Grozavu Adrian, Elena Hutanu, Dan Lucian Ciurte <i>Presenter:</i> Larisa Elena Paveluc <i>Affiliation:</i> Alexandru Ioan Cuza University of Iași, Romania
10		THE HISTORY OF THE FORMATION AND THE CURRENT STATE OF THE CULTURAL AND HISTORICAL LANDSCAPES OF CENTRAL RUSSIA, THAT ARE UNIQUE OBJECTS OF NATURAL AND CULTURAL HERITAGE <i>Authors:</i> Viacheslav Nizovtsev, Natalia Erman <i>Presenter:</i> Viacheslav Nizovtsev <i>Affiliation:</i> Lomonosov Moscow State University, Russia
11		THE MAPPING OF FLOODPLAINS WITH FOUR PROBABILITIES OF EXCEEDING AND THE HIGHLIGHTING OF FLOODABLE LAND AREAS FOR THE BISTRITA VALLEY MIDDLE MOUNTAIN AREA, BETWEEN THE BROȘTENI AND POIANA TEIULUI LOCALITIES <i>Authors:</i> Vasile Bogdan Ghindaoanu, Elena Hutanu, Larisa Elena Paveluc, Dan Dumitriu <i>Presenter:</i> Vasile Bogdan Ghindaoanu <i>Affiliation:</i> Alexandru Ioan Cuza University of Iași, Romania

SECTION: SOCIO-ECONOMIC GEOGRAPHY

POSTER SESSION

1	16:40 - 17:10	DISFUNCTIONALITIES IN TOURISM PLANNING AND VALORIZATION OF HISTORICAL MONUMENTS IN MARAMURES, ROMANIA <i>Authors:</i> Roxana-Andreea Radu, Camelia Teodorescu, Alexandra Grecu, Andreea Karina Gruia, Adrian-Gabriel Simion <i>Presenter:</i> Camelia Teodorescu <i>Affiliation:</i> University of Bucharest, Romania
2		ETHNICITY ONLINE: THE ROLE OF SOCIAL NETWORKS IN EVERYDAY LIFE OF SLOVAKS IN VOJVODINA (SERBIA) <i>Authors:</i> Bojan Derčan, Tamara Lukić, Milka Bubalo Živković, Milica Solarević, Dajana Bjelajac <i>Presenter:</i> Bojan Derčan <i>Affiliation:</i> University of Novi Sad, Serbia
3		FAVORING AND DISFAVORING FACTORS FOR CULTURAL TOURISM EXPLOITATION OF HISTORICAL MONUMENTS IN TRANSYLVANIA, ROMANIA <i>Authors:</i> Roxana-Andreea Radu, Camelia Teodorescu, Ana-Maria Ciobotaru, Iulia-Daniela Nedelcu, Cătălin Răzvan Dobreă <i>Presenter:</i> Camelia Teodorescu <i>Affiliation:</i> University of Bucharest, Romania

SECTION: SOCIO-ECONOMIC GEOGRAPHY

POSTER SESSION

4	16:40 - 17:10	<p>MODERN MIGRATION PROCESSES AND ATTITUDES OF THE POPULATION IN THE REPUBLIC OF BULGARIA – FACTORS AND TRENDS</p> <p><i>Authors:</i> Kliment Naydenov <i>Presenter:</i> Kliment Naydenov <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria</p>
5		<p>REGIONAL DISPARITIES IN THE DISTRIBUTION OF TOURISM EMPLOYEES IN THE SOUTHEAST DEVELOPMENT REGION</p> <p><i>Authors:</i> Joița Oana Elena, Pintilii Radu-Daniel, Marian Marin, Gruia Karina, Grecu Alexandra <i>Presenter:</i> Drăghici Cristian Constantin <i>Affiliation:</i> University of Bucharest, Romania</p>
6		<p>REGIONAL DISPARITIES IN THE DISTRIBUTION OF TOURISM TURNOVER IN THE SOUTH-EAST DEVELOPMENT REGION</p> <p><i>Authors:</i> Joița Oana Elena, Pintilii Radu-Daniel, Grecu Alexandra, Predescu Alisa, Drăghici Cristian Constantin <i>Presenter:</i> Drăghici Cristian Constantin <i>Affiliation:</i> University of Bucharest, Romania</p>
7		<p>REPRESENTATION AND PATRIMONIALIZATION OF CLIMATE CHANGE LANDSCAPES</p> <p><i>Authors:</i> Poirer Andréa <i>Presenter:</i> Poirer Andréa <i>Affiliation:</i> University Paris I Panthéon-Sorbonne, France</p>
8		<p>SETTLEMENT POPULATION SIZE IN ROMANIA</p> <p><i>Authors:</i> Zotic Vasile, Alexandru Diana-Elena, Egresi Istvan, Puiu Viorel <i>Presenter:</i> Alexandru Diana-Elena <i>Affiliation:</i> Babeş-Bolyai University, Romania</p>
9		<p>SUSTAINABILITY OF RAPID CHANGING ON SPATIAL AND URBAN POLICY OVER TRANSITIONAL PERIOD IN REPUBLIC OF MACEDONIA AND THEIR IMPACT ON INVESTMENTS</p> <p><i>Authors:</i> Zaklina Angelovska, Strahinja Trpevski <i>Presenter:</i> Zaklina Angelovska <i>Affiliation:</i> Chamber of certified architects and engineers of Republic of North Macedonia</p>
10		<p>THE EVOLUTION OF THE RURAL CULTURAL LANDSCAPES IN THE SOUTH PART OF BUKOVINA</p> <p><i>Authors:</i> Ana Maria Divisevici <i>Presenter:</i> Ana Maria Divisevici <i>Affiliation:</i> Stefan Cel Mare University, Romania</p>
11		<p>THE GEOGRAPHICAL DISTRIBUTION OF THE PREVALENCE AND MORTALITY OF LUNG CANCER IN ROMANIA</p> <p><i>Authors:</i> Iulia Daniela Nedelcu, Adrian Gabriel Simion, Marian Marin, Alisa Predescu, Daniel Peptenatu <i>Presenter:</i> Iulia Daniela Nedelcu <i>Affiliation:</i> University of Bucharest, Romania</p>

SECTION: SOCIO-ECONOMIC GEOGRAPHY

POSTER SESSION

12	16:40 - 17:10	<p style="text-align: center;">THE IMPACT OF THE REGIONAL POLICY ON THE LOCAL ECONOMY – BULGARIAN CASE</p> <p><i>Authors:</i> Kliment Naydenov <i>Presenter:</i> Kliment Naydenov <i>Affiliation:</i> Sofia University "St. Kliment Ohridski", Bulgaria</p>
13		<p style="text-align: center;">THE ROLE OF FUNCTIONAL AND TERRITORIAL EVOLUTION IN THE GENESIS OF RĂDĂUȚI'S INTERNAL STRUCTURE</p> <p><i>Authors:</i> Lăzărescu Luminița Mirela, Efros Vasile <i>Presenter:</i> Efros Vasile <i>Affiliation:</i> University Ștefan cel Mare, Romania</p>
14		<p style="text-align: center;">THE SALARIES OF EMPLOYEES IN TOURISM INDUSTRY OF VOJVODINA (SERBIA) AS A GENDER INEQUALITY INDICATOR</p> <p><i>Authors:</i> Vuk Garača, Svetlana Vukosav, Danka Curaković, Milan Bradić, Maja Banjac <i>Presenter:</i> Milan Bradić <i>Affiliation:</i> University of Novi Sad, Serbia</p>
15		<p style="text-align: center;">THE STRUCTURE OF EMPLOYEES IN TOURISM INDUSTRY OF VOJVODINA (SERBIA) AS A GENDER INEQUALITY INDICATOR</p> <p><i>Authors:</i> Vuk Garača, Svetlana Vukosav, Danka Curaković, Milan Bradić, Bojana Kalenjuc <i>Presenter:</i> Svetlana Vukosav <i>Affiliation:</i> University of Novi Sad, Serbia</p>
16		<p style="text-align: center;">THE VULNERABILITY OF THE SACRAL LANDSCAPES IN BUKOVINA</p> <p><i>Authors:</i> Ana Maria Divisevici <i>Presenter:</i> Ana Maria Divisevici <i>Affiliation:</i> University Ștefan cel Mare, Romania</p>

SECTION: CARTOGRAPHY, GIS AND SPATIAL PLANNING

POSTER SESSION

1	16:40 - 17:10	<p style="text-align: center;">CHRONOLOGY OF THE URBAN EXPANSION OF KUMANOVO</p> <p><i>Authors:</i> Maja Lazarevska, Blagoja Markoski <i>Presenter:</i> Maja Lazarevska <i>Affiliation:</i> Ministry of transport and communications, North Macedonia</p>
2		<p style="text-align: center;">50 YEAR'S DETERMINATION OF RESERVOIR SEDIMENTATION RATE USING TOPOGRAPHY MEASUREMENTS AND GIS. CASE STUDY: STRÎMTORI-FIRIZA RESERVOIR, BAIJA MARE, ROMANIA</p> <p><i>Authors:</i> Ciurte Dan Lucian, Mihu-Pintilie Alin, Paveluc Larisa Elena <i>Presenter:</i> Ciurte Dan Lucian <i>Affiliation:</i> Alexandru Ioan Cuza University, Romania</p>

SECTION: CARTOGRAPHY, GIS AND SPATIAL PLANNING

POSTER SESSION

3	16:40 - 17:10	<p align="center">APPLICATION OF LANDSCAPE METRICS AND GIS TECHNIQUES FOR ASSESSMENT OF LAND USE AND LAND COVER CHANGES IN THE SUCEAVA RIVER BASIN, ROMANIA</p> <p><i>Authors:</i> Horodnic Vasilică-Dănuț, Bistricean Petruț-Ionel, Mihăilă Dumitru, Efros Vasile</p> <p><i>Presenter:</i> Horodnic Vasilică-Dănuț</p> <p><i>Affiliation:</i> Ștefan cel Mare University, Romania</p>
4		<p align="center">APPLICATION OF THE TPI AND DEV IN THE GEO-ARCHAEOLOGICAL STUDY</p> <p><i>Authors:</i> Alin Mihiu-Pintilie, Catalin Ioan Cimpianu, Cristian Constantin Stoleriu</p> <p><i>Presenter:</i> Alin Mihiu-Pintilie</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>
5		<p align="center">ASSESSMENT OF THE POPULATION EXPOSED TO ROAD GENERATED TRAFFIC NOISE. CASE STUDY: VASLUI TOWN, ROMANIA</p> <p><i>Authors:</i> Ionut Sorea, Cristian C. Stoleriu, Adrian Ursu</p> <p><i>Presenter:</i> Ionut Sorea</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>
6		<p align="center">COMPARATIVE ANALYSIS OF FLOODED AREAS USING SATELLITE IMAGES LANDSAT 7-ETM+ AND HYDRAULIC MODEL HEC-RAS. CASE STUDY: THE JIJIA RIVER, SLOBOZIA-DINGENI SECTION</p> <p><i>Authors:</i> Elena Hutanu, Andrei Urzica, Larisa Elena Paveluc, Cristian Constantin Stoleriu, Adrian Grozavu</p> <p><i>Presenter:</i> Elena Hutanu</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>
7		<p align="center">COMPLEMENTARITY OF FRACTAL ANALYSIS AND GIS METHODS IN THE ANALYSIS OF THE SPATIAL-TEMPORAL DYNAMICS OF THE FOREST FUND</p> <p><i>Authors:</i> Adrian Gabriel Simion, Cristian Constantin Drăghici, Ion Andronache, Karina Andreea Gruia, Alexandra Grecu</p> <p><i>Presenter:</i> Adrian Gabriel Simion</p> <p><i>Affiliation:</i> University of Bucharest, Romania</p>
8		<p align="center">DANUBE WATER LEVELS - FRACTAL ANALYSIS</p> <p><i>Authors:</i> Ion Andronache, Popa Mihnea Cristian, Diaconu Daniel Constantin</p> <p><i>Presenter:</i> Popa Mihnea Cristian</p> <p><i>Affiliation:</i> University of Bucharest, Romania</p>
9		<p align="center">PLANNING FOR SUSTAINABLE TERRITORIAL DEVELOPMENT IN ROMANIA. INSTITUTIONAL AND REGULATORY FRAMEWORK</p> <p><i>Authors:</i> Diana-Elena Alexandru, Vasile Zotic, Viorel Puiu, Istvan Egresi</p> <p><i>Presenter:</i> Diana-Elena Alexandru</p> <p><i>Affiliation:</i> Babeș-Bolyai University, Romania</p>
10		<p align="center">USING HEC-RAS SOFTWARE TO ANALYZE 6 PARAMETERS REGARDING THE MANIFESTATION OF FLOOD EVENTS. A CASE STUDY OF BASEU RIVER LOWLAND, NE ROMANIA</p> <p><i>Authors:</i> Andrei Urzica, Elena Hutanu, Alin Mihiu-Pintilie, Cristian C. Stoleriu</p> <p><i>Presenter:</i> Andrei Urzica</p> <p><i>Affiliation:</i> Alexandru Ioan Cuza University of Iasi, Romania</p>

GEOBALCANICA 2019
METROPOLITAN HOTEL SOFIA
Day 2, 14.06.2019

FIELD TRIP

| SAEVA DUPKA | LOVECH | DEVETASHKA CAVE |



Permafrost investigations in the highest mountains of Bulgaria and Romanian Carpathians (Romania)

Onaca Alexandru, Voiculescu Mircea, Magori Brigitte, Sirbu Flavius, Ardelean Florina

West University of Timisoara

Information on permafrost conditions in the Balkan Peninsula highest mountains is limited. In the Romanian Carpathians the presence of permafrost was documented by various studies in the last years. In marginal periglacial mountain regions, such as the Carpathians Mountains, the distribution of permafrost is strongly controlled by complex local topo-climatic factors. Isolated patches of permafrost may occur above 2000 m in the highest mountain ranges in the Romanian Carpathians (e.g., Retezat, Parâng and Făgăraș Mountains). The distribution and characteristics of mountain permafrost in the Romanian Carpathians were examined using a combined approach consisting in thermal monitoring and geophysical investigations. A similar approach was used in the last three years in case of several rock glaciers in the Rila and Pirin Mountains to investigate permafrost conditions. The results indicate that ice-rich frozen debris are expected to occur in north-facing rock glaciers in the Rila and Pirin Mountains, above 2400 m. These findings were compared with the results reported for the rock glaciers in the Romanian Carpathians and confirmed that the characteristics of permafrost conditions in both regions are similar.

Acknowledgement

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