



WMESS 2021

7th World

Multidisciplinary Earth Sciences Symposium
7-11 September 2020 – Prague (Czech Republic)

REGISTRATION

(from 5 September 2021 – Sunday to 9 September 2021 - Thursday)

5 September, 2021
6 September, 2021

Registration will start on Sunday from 10:30 to 20:00
from 08:30 until 9 September 2021

OPENING / CEREMONY

6 September 2021 – Monday (in Hall PRAGUE)

10:30 - 11:00
11:00 - 12:00

Opening Concert
Opening Speeches
Will be announced in venue because of the pandemic

ORAL PROGRAM

6 September, 2021 – Monday

HALL - PRAGUE EAST		6 September, 2021 – Afternoon Sessions
SESSION: Geotechnics		
Chairman: Alberto Bolla - University of Udine, Italy		
13:00 - 13:15	CLASSIFICATION AND MODELLING OF FRACTURED ROCK MASSES FOR SLOPE STABILITY ASSESSMENT IN A LIMESTONE QUARRY: A CASE STUDY	Saadoun Abderrazak - University of Bejaia, Algeria
13:15 - 13:30	REVIEW OF PHYSICAL BASED MODELS FOR DEBRIS FLOW ASSESSMENT IN TROPICAL MOUNTAINOUS REGIONS	María Isabel Hurtado - University of Medellín, Colombia
13:30 - 13:45	SIMULATION OF SOIL COMPACTION BY A TRACTOR PASSING	Pavla Bukovská - Mendel University in Brno, Czech Republic
13:45 - 14:00	ANALYSIS ON ROLE OF NiCl ₂ IN SOLIDIFICATION OF YELLOW SILTY SAND BY BIO-STIMULATION APPROACH	Jili Qu - University of Shanghai for Science and Technology, China
14:00 - 14:15	THE EFFECT OF A RUBBER SHEET ON THE DYNAMIC RESPONSE OF A MACHINE FOUNDATION LOCATED OVER A SMALL THICKNESS OF SOIL LAYER	Omid Khalaj - University of West Bohemia, Czech Republic
14:15 - 14:30	THE EXPERIMENTAL INVESTIGATION OF THE REPEATED-LOADING BEHAVIOUR OF THE SAND-RUBBER-MIXTURE (SRM)	Omid Khalaj - University of West Bohemia, Czech Republic
14:30 - 15:00	Coffee Break	
SESSION: Engineering Geology		
Chairman: Hasan Arman - United Arab Emirates University, UAE		
15:00 - 15:15	NEOTECTONIC INDICATIONS FROM THE WESTERN AND SOUTHERN DESERTS OF IRAQ	Varoujan K. Sissakian - University of Kurdistan Hewler, Iraq
15:15 - 15:30	THE INFLUENCE OF HYDROGEOLOGICAL FACTORS ON THE RAILWAY STABILITY IN THE AREAS OF ISLAND PERMAFROST DISTRIBUTION (BY THE EXAMPLE OF THE TRANS-BAIKAL RAILWAY, RUSSIA)	Andrey Melnikov - Russian Academy of Sciences, Russia
15:30 - 15:45	SEISMIC ANALYSIS OF A LIMESTONE ROCK SLOPE THROUGH NUMERICAL MODELLING: PSEUDO-STATIC vs. NON-LINEAR DYNAMIC APPROACH	Alberto Bolla - University of Udine, Italy
15:45 - 16:00	COMBINED FIELD AND STRUCTURE FROM MOTION SURVEY TO IDENTIFY ROCK DISCONTINUITY SETS OF A SHALLOW ROCKSLIDE	Alberto Bolla - University of Udine, Italy
16:00 - 16:15	COMPARATIVE STUDY ON DEGRADABILITY CHARACTERISTICS OF EVAPORITIC AND CARBONATE ROCKS FROM AL AIN, UNITED ARAB EMIRATES	Hasan Arman - United Arab Emirates University, UAE

SESSION: Geophysics & Seismology	
Chairman: Isik Yilmaz – Cumhuriyet University, Turkey	
16:15 - 16:30	A NEW PYTHON TOOL FOR MAGNETOTELLURIC DATA ANALYSIS, MODELLING AND INVERSION Biruk Abera Cherkose - College of Science, UAE
16:30 - 16:45	GRAVITY ANOMALIES AND CRUSTAL STRUCTURE OF THE EASTERN PART OF THE VERKHUYANSK FOLD-AND-THRUST BELT, NE RUSSIA: EVIDENCE FROM THE JUNCTION AREA OF THE ADYCHA-ELGA AND ALLAKH-YUN TECTONIC ZONES Evgeny Solovyov - Ammosov North-Eastern Federal University, Russia
16:45 - 17:00	THE SCALING OF PGA WITH IV2p AND ITS POTENTIAL FOR EARTHQUAKE EARLY WARNING IN SELECTED SEISMOGENIC ZONES IN GREECE Filippos Vallianatos - National and Kapodistrian University of Athens, Greece
END OF ORAL SESSIONS	

HALL - PRAGUE WEST	
6 September, 2021 – Afternoon Sessions	
SESSION: Oil, Gas & Coal	
Chairman: Abdel Moktader A. El sayed - Ain Shams University, Egypt	
13:00 - 13:15	CALCULATION OF PORE THROAT RADIUS PERCENTILES (25,50&75) FROM POROSITY AND /OR PERMEABILITY: ALGYO OIL AND GAS FIELD,HUNGARY Abdel Moktader A. El sayed - Ain Shams University, Egypt
13:15 - 13:30	ASTROPHYSICS EFFECTS ON THE VOLCANIC ACTIVITY OF THE EARTH Mahmut Ziya Görücü - Istanbul University Cerrahpasa, Turkey
13:30 - 13:45	SEDIMENTOLOGY AND PETROLEUM GEOLOGY OF SOUTH OF ULUKISLA (NIGDE) Mahmut Ziya Görücü - Istanbul University- Cerrahpasa-Turkey
13:45 - 14:00	THE GEOLOGY AND MINE POTENTIAL OF ULUKIŞLA (NIGDE) Mahmut Ziya Görücü - Istanbul University- Cerrahpasa-Turkey
14:00 - 14:15	DETERMINATION OF COAL ASH CONTENT BY NEUTRON-NEUTRON LOGGING Nikolay Grib - Ammosov North-Eastern Federal University, Russia
14:15 - 14:30	EROSIONAL THICKNESS IDENTIFICATION USING MULTIPLE METHODS AND ITS IMPLICATION ON HYDROCARBON GENERATION: CASE STUDY ON CENTRAL ARJUNA DEEP, NORTH WEST JAVA BASIN, INDONESIA Muhammad Virgiawan Agustin - Universitas Gadjah Mada, Indonesia
14:30 - 15:00	Coffee Break
SESSION: Environmental Sciences	
Chairman: Luis Quinta-Nova - Polytechnic Institute of Castelo Branco, Portugal	
15:00 - 15:15	IMMISSIONS PROFILING USING AI Marius Darie - National Institute for Mine Safety and Protection to Explosion - INSEMEX, Romania
15:15 - 15:30	REGARDING THE CAUSES OF GEOPHAGY AMONG ANIMALS AND HUMANS Alexandra Belyanovskaya - Tomsk Polytechnic University, Russia
15:30 - 15:45	LAND SUBSIDENCE MODELING DUE TO MINING DRAINAGE USING MONTE CARLO-MODIFIED GEOGRAPHICALLY WEIGHTED REGRESSION Artur Guzy - AGH University of Science and Technology, Poland

15:45 - 16:00	THE IMPORTANCE OF SOIL PARAMETERS AS PREDICTORS OF PLANT SPECIES AND COMMUNITIES' DISTRIBUTION AND BIODIVERSITY ALONG ERGES RIVER Luís Quinta-Nova - Polytechnic Institute of Castelo Branco, Portugal
SESSION: Informatics, Geoinformatics & Remote Sensing	
Chairman: Jernej Cukjati - University of Maribor, Slovenia	
16:00 - 16:15	RESULTS OF FREQUENCY RESONANCE PROCESSING OF SATELLITE IMAGES IN SHAKAL AND HALABJA (KURDISTAN) EXPLORATION BLOCKS Arzu Javadova - MikroPro GMBH, Germany
16:15 - 16:30	RESULTS OF THE APPLICATION OF DIRECT-PROSPECTING TECHNOLOGY OF SATELLITE IMAGES AND FREQUENCY-RESONANCE PROCESSING ON THE EXPLORATION BLOCKS OF SHAKAL AND HALABJA (KURDISTAN) Arzu Javadova - MikroPro GMBH, Germany
16:30 - 16:45	A BRIEF SURVEY ON THE AVAILABILITY OF SATELLITE AIR POLLUTION DATA Jernej Cukjati - University of Maribor, Slovenia
16:45 - 17:00	DEFINITION OF LAND UNITS AT A REGIONAL LEVEL AND THE STUDY OF ITS INFLUENCE IN THE LAND USE MOSAIC Luís Quinta-Nova - Polytechnic Institute of Castelo Branco, Portugal
END OF ORAL SESSIONS	

7 September, 2021 – Tuesday

HALL – PRAGUE		7 September, 2021 – Morning Sessions
SESSION: Blasting & New Technologies		
Chairmen: Nikoloz Chikhradze - LEPL Grigol Tsulukidze Mining Institute of Georgia, Georgia		
08:45 - 09:00	METHANE AND COAL DUST HYBRID MIXTURE EXPLOSION PROPERTIES STUDY IN SHOCH TUBE Nika Bochorishvili - G. Tsulukidze Mining Institute, Georgia	
09:00 - 09:15	ANALYSIS OF ROCKS FRAGMENTATION BY EXPLOSIVES AND THEIR EFFECTS ON OPEN PIT STABILITY Mahmoud Djoudi - Mines, Metallurgy and Materials Laboratory (L3M), Algeria	
09:15 - 09:30	PRODUCTION OF FERROBORON FROM WASTES BY SHS-METALLURGY AND INFLUENCE OF LIGATURES ON THE STRUCTURE/PROPERTIES OF CAST IRON Mikheil Chikhradze - F. Tavazde Metallurgy and Materials Science Institute, Georgia	
09:30 - 09:45	MODELLING OF FLUIDITY DURING HOT COMPACTION OF Ti-B SYSTEM SYNTHESIZED MASS Mikheil Chikhradze - F. Tavazde Metallurgy and Materials Science Institute, Georgia	
09:45 - 10:00	SYNTHESIS AND EXPLOSIVE COMPACTION OF Fe-W-Al-Ti-Ni-C-B MECHANICALLY ALLOYED POWDERS Mikheil Chikhradze - G. Tsulukidze Mining Institute, Georgia	
10:00 - 10:15	INFLUENCE OF THE DROPLET VELOCITY ON THE ATTENUATION OF OVERPRESSURES IN A WATER MIST Edgar Mataradze - G. Tsulukidze Mining Institute, Georgia	
10:15 - 10:30	THE IMPROVEMENT OF PICRIC ACID SYNTHESIS METHODOLOGY Nikoloz Chikhradze - LEPL Grigol Tsulukidze Mining Institute of Georgia, Georgia	
10:30 - 11:00	Coffee Break	
SESSION: Mining Engineering - Occupational Health and Safety		
Chairmen: Mikheil Chikhradze - F. Tavazde Metallurgy and Materials Science Institute, Georgia		
11:00 - 11:15	STUDY OF THE INFLUENCE OF DRILLING AND BLASTING PLAN DESIGN ON THE SLOPE STABILITY IN A LIMESTONE QUARRY Fares Belguetiel - University A. Mira, Algeria	
11:15 - 11:30	DETERMINATION OF THE REQUIRED PARAMETERS OF THE MAIN FANS ON THE EXHAUST SHAFT FOR THE TARGET MODEL OF THE HARD COAL MINE Y IN CONNECTION WITH ITS DECOMMISSIONING Piotr Mocek - Silesian University of Technology in Gliwice, Poland	
11:30 - 11:45	CONCEPTUAL CONSIDERATIONS OF THE MODERNIZATION OF THE MAIN FAN STATIONS OF MINE Y AND THEIR ECONOMIC ASPECT Piotr Mocek - Silesian University of Technology in Gliwice, Poland	
11:45 - 12:00	STUDY OF HEAVY METALS TOXICITY LEVEL IN WORKPLACE ATMOSPHERE BY ALTERNATIVE METHODS Lorand Toth - National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petrosani, Romania	
LUNCH BREAK		

HALL - PRAGUE		7 September, 2021 – Afternoon Sessions
SESSION: Urban Planning - Geological Heritage & Geoparks		
Chairman: Abdel-Rahman Fowler - UAE University, UAE		
13:15 - 13:30	THE COLLECTIONS OF THE ARCHIVE OF THE HISTORY OF GEOLOGY - A GEOHISTORICAL HERITAGE AT THE UNIVERSITY OF VIENNA Margret Hamilton - University of Vienna, Austria	
13:30 - 13:45	EVOLVING UNIVERSITY GEOSCIENCE CURRICULA IN THE LIGHT OF BURGEONING LUNAR AND MARS SURFACE EXPLORATION PROGRAMS: THE BENEFITS OF EXPANDING PLANETARY GEOSCIENCE LITERACY Abdel-Rahman Fowler - UAE University, UAE	
13:45 - 14:00	EVOLVING UNIVERSITY GEOSCIENCE CURRICULA IN THE LIGHT OF BURGEONING LUNAR AND MARS SURFACE EXPLORATION PROGRAMS: THE BENEFITS OF EXPANDING PLANETARY GEOSCIENCE LITERACY Abdel-Rahman Fowler - United Arab Emirates University, PO Box 15551 Al-Ain, UAE	
14:00 - 14:15	PERFORMANCE MEASUREMENT IN CZECH CONSTRUCTION COMPANIES WITH REGARD TO THE ENVIRONMENTAL RESPONSIBILITY Petr Trtílek - Brno University of Technology, Czech Republic	
14:15 - 14:30	ÁLVARO SIZA – UNEASINESS AROUND THE RIGHT ANGLE Filipe Lacerda Neto - Universidade da Beira Interior, Portugal	
14:30 - 15:00	Coffee Break	
SESSION: Hydro-Hydrogeological Sciences		
Chairman: Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia		
15:00 - 15:15	EFFECTS OF INCORPORATING PRECIPITATION SPATIAL DISTRIBUTION PATTERNS IN HYDROLOGIC AND HYDRAULIC DESIGN FOR ANDEAN WATERSHEDS Blanca A. Botero - University of Medellín, Colombia	
15:15 - 15:30	EVALUATION OF WATER CONTENT IN SOILS OF THE ZITNY OSTROV FROM THE POINT OF VIEW OF EXPLOITATION FOR BIOSPHERE Peter Stradiot - Water Research Institute, Slovakia	
15:30 - 15:45	A HYDROLOGICAL DIGITAL TWIN BY ARTIFICIAL NEURAL NETWORKS FOR FLOOD SIMULATION IN GARDON DE SAINT-CROIX BASIN, FRANCE Cagri Alperen Inan - University Montpellier, France	
15:45 - 16:00	QUALITY OF THE SURFACE WATER IN THE RATKA SMALL WATER RESERVOIR Zuzana Sabová - Slovak University of Technology in Bratislava, Slovakia	
16:00 - 16:15	POSSIBILITIES OF WATER STORAGE IN DRAINAGE CHANNEL SYSTEM OF UPPER RYE ISLAND Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia	
16:15 - 16:30	ASSESSMENT OF GROUND WATER DRAWDOWN IN INDUSTRIAL PARK OF NITRA Andrej Šoltész - Slovak University of Technology in Bratislava, Slovak Republic	
16:30 - 16:45	HYDROGEOCHEMISTRY AND QUALITY OF SURFACE WATER IN PARTS OF MIDDLE BENUE TROUGH, NIGERIA Rhoda Bernard Gusikit - University of Jos, Nigeria	

16:45 - 17:00	GEO-HYDROLOGICAL RISK AWARENESS AND DISASTER PREPAREDNESS IN A MOUNTAINOUS AREA OF SOUTHERN PERU VULNERABLE TO DISASTER Roberto Alfaro-Alejo - Universidad Nacional del Altiplano, Peru
END OF ORAL SESSIONS	

HALL – STOCKHOLM		7 September, 2021 – Morning Sessions
SESSION: Geomorphology		
Chairmen: Marian Drusa – Zilina University, Slovakia		
09:15 - 09:30	ON THE DETERMINATION OF A LOCALLY OPTIMIZED ELLIPSOIDAL MODEL OF THE GEOID SURFACE IN SEA AREAS Foteini Kariotou - Hellenic Open University, Greece	
09:30 - 09:45	IMPACT OF DATA PROCESSING AND DTM RESOLUTION ON DETERMINING OF SMALL EROSIONAL LANDFORMS Valentina Nikolova - University of Mining and Geology "St. Ivan Rilski", Bulgaria	
SESSION: Modelling and Soft Computing Techniques in Earth Sciences		
Chairmen: Marian Drusa – Zilina University, Slovakia		
09:45 - 10:00	FORECASTING ACTIVITY OF TROPICAL CYCLONES: NARRAIVES OF THE FUTURE Yuri Katz - S&P Global, USA	
10:00 - 10:15	USE OF GEOTECHNOLOGIES IN MINING PLANNING IN QUARRIES CARBONATED ROCKS - CONTRIBUTION TO THE DIGITAL TRANSITION (INDUSTRY 4.0) João Duarte - University of Coimbra, Portugal	
SESSION: Specific Session SS1: New Geotechnologies for Disaster Management		
Chairmen: Tamás Horváth - Alberding GmbH, Germany		
10:15 - 10:30	AUTOMATED GEO-MONITORING WITH LOW-COST GNSS SENSORS Tamás Horváth - Alberding GmbH, Germany	
10:30 - 11:00	Coffee Break	
SESSION: Specific Session SS2: Urban geology and Cultural Heritage Conservation		
Conveners: Marco Lezzerini, Stefano Pagnotta - University of Pisa - Italy		
Chairmen: Marco Lezzerini, Stefano Pagnotta - University of Pisa - Italy		
11:00 - 11:15	IMAGE SEGMENTATION TECHNIQUES FOR REFLECTED LIGHT MICROSCOPY: AN OVERVIEW OF SOME ALGORITHMS Stefano Pagnotta - University of Pisa, Italy	
11:15 - 11:30	MARBLES FROM CASTAGNETO CARDUCCI AREA (TUSCANY, ITALY) Marco Lezzerini - University of Pisa, Italy	
11:30 - 11:45	ARTIFICIAL THERMAL DECAY: INFLUENCE OF MINERALOGY AND MICROSTRUCTURE OF SANDSTONE, CALCARENITE AND MARBLE Andrea Aquino - University of Pisa, Italy	
LUNCH BREAK		

8 September, 2021 – Wednesday

HALL – PRAGUE EAST		8 September, 2021 – Morning Sessions
Special SESSION: Workshop – New Geotechnologies for Disaster Management		
Chairmen: Milan Talich – The Czech Academy of Sciences, Czech Republic		
09:15 - 09:30	DEVELOPMENT OF LOW-COST INCLINATION SENSOR BASED ON MEMS ACCELEROMETERS Jan Balek - The Czech Academy of Sciences, Czech Republic	
09:30 - 09:45	EUROPEAN GNSS TROPOSPHERE MONITORING FOR METEOROLOGICAL APPLICATIONS Jan Douša - Research Institute of Geodesy, Czech Republic	
09:45 - 10:00	MAPPING OF SPATIO-TEMPORAL CHANGES OF SURFACE WATER USING SENTINEL-1 SAR IMAGES Lubomír Kšeňak - Technical University of Košice, Slovakia	
10:00 - 10:15	NEW MEASUREMENT METHODS FOR STRUCTURE DEFORMATION AND OBJECTS EXACT DIMENSION DETERMINATION Karel Pavelka - Czech Technical University in Prague, Czech Republic	
10:15 - 10:30	EXPERIMENTAL DYNAMIC ANALYSIS OF THE ARCH ROAD BRIDGE Tomáš Plachý - Czech Technical University in Prague, Czech Republic	
10:30 - 11:00	Coffee Break	
Special SESSION: Workshop – New Geotechnologies for Disaster Management		
Chairmen: Milan Talich – The Czech Academy of Sciences, Czech Republic		
11:00 - 11:15	TERRESTRIAL PHOTOGRAMMETRY AT THE QUARRY AND VALIDATING THE ACCURACY OF SLOPE MODELS FOR MONITORING THEIR STABILITY Dima Ozhygin - Karaganda State Technical University, Kazakhstan	
11:15 - 11:30	EXPERIMENTAL DETERMINING OF HORIZONTAL MOVEMENTS OF THE WATER TOWER RESERVOIRS BY GB-RAR Milan Talich - The Czech Academy of Sciences, Czech Republic	
11:30 - 11:45	EXPERIMENTAL INVESTIGATION OF INFLUENCES OF TRAFFIC LOAD ON THE CHURCH OF THE ASSUMPTION OF THE VIRGIN MARY IN STARÁ BOLESLAV Jan Bayer - Institute of Theoretical and Applied Mechanics AS CR, Czech Republic	
11:45 - 12:00	THE INTEGRATION BETWEEN 3D STRUCTURAL MODELLING, GROUND-BASED AND SATELLITE SAR: CREATING A LINK BETWEEN SHORT AND LONG - TERM SLOPE STABILITY HAZARD MANAGEMENT IN TITANIA MINE K. Botsialas - AuroraGeo Consulting, Greece	
LUNCH BREAK		

HALL – PRAGUE EAST		8 September, 2021 – Afternoon Sessions
Special SESSION: Workshop – New Geotechnologies for Disaster Management		
Chairmen: Marian Drusa – Zilina University, Slovakia, Zofia Zięba – Wrocław University of Environmental and Life Sciences, Poland		
13:00 - 13:15	QUALITY OF SURFACE GEOSTATISTICAL PARAMETER REPRODUCTION FOR LASER PROFILOMETERS Irina Galchenko - North-Caucasus Federal University, Russia	
13:15 - 13:30	MONITORING OF SOIL STRUCTURE Elżbieta Kokocińska-Pakiet - Opole University of Technology, Poland	
13:30 - 13:45	THE MODEL IDENTIFICATION OF BUILDINGS HORIZONTAL DISPLACEMENTS WITH THE USE OF A FREE GEODETIC NETWORK Maria Mrówczyńska - University of Zielona Góra, Poland	
13:45 - 14:00	ON THE APPLICABILITY OF LASER SCANNING FOR EVALUATION OF THE PAVEMENT SERVICEABILITY PARAMETERS Veronika Valaskova - University of Zilina, Slovakia Alicja Kowalska-Koczwara - Cracow University of Technology, Poland	
14:00 - 14:15	THE COMPARISON OF DIGITAL TERRAIN AND SURFACE MODELS FOR NEXT USAGE IN A CHOSEN LOCALITY Alessandro Valetta - University of Parma, Italy	
14:15 - 14:30	ACTIVITIES OF A MINE SURVEYOR AND A GEOLOGIST AT DESIGN BASES IN A LIMESTONE QUARRY Milan Mikolas - VŠB – Technical University of Ostrava, Czech Republic Yulia Tyulyaeva - National University of Science and Technology MISIS, Russia	
14:30 - 15:00	Coffee Break	
Special SESSION: Workshop – New Geotechnologies for Disaster Management		
Chairmen: Marian Drusa – Zilina University, Slovakia, Zofia Zięba – Wrocław University of Environmental and Life Sciences, Poland		
15:00 - 15:15	COSMIC GEODESY CONTRIBUTION TO GEODYNAMICS MONITORING Dasa Bacova - University of Žilina, Slovakia Albert M. Khairutdinov - National University of Science and Technology MISIS, Russia	
15:15 - 15:30	TRENDS IN INERTIAL NAVIGATION TECHNOLOGIES Stanislav Hodas - University of Žilina, Slovakia Donatas Rekus - Kaunas University of Applied Science, Lithuania	
15:30 - 15:45	FLOOD HAZARD CALCULATION BY USING A DIGITAL TERRAIN MODEL Juraj Muzik - University of Žilina, Slovakia Cheyresh Kongar-Syuryun - National University of Science and Technology MISIS, Russia	
15:45 - 16:00	3D MODEL OF CASTLE ENHANCED BY REAL TEXTURES Tomas Cesnek - Siemens Mobility Ltd., Slovakia Paulina Kujawa - Wrocław University of Science and Technology, Poland	
16:00 - 16:15	VISUAL ORTHOPHOTO CLASSIFICATION APPLICATION Vilma Kriauciuniute-Neklejonoviene - Kaunas University of Applied Science, Lithuania	
16:15 - 16:30	USING OF LASER SCANNERS IN PAVEMENT MANAGEMENT Martin Decky - University of Žilina, Slovakia	

16:30 - 16:45	INTERPRETATION OF REMOTE SENSING IMAGERY Anna Seidlova - University of Žilina, Slovakia Donatas Rekus - Kaunas University of Applied Science, Lithuania
16:45 - 17:00	DIGITAL TERRAIN MODEL GEOSPATIAL MODELLING Robert Sasik - University of Žilina, Slovakia Alessandro Valetta - University of Parma, Italy
17:00 - 17:15	ACTUAL SATELLITE IMAGERY SOURCES Jana Izvoltova - University of Žilina, Slovakia Vilma Kriauciunaite-Neklejonoviene - Kaunas University of Applied Science, Lithuania
17:15 - 17:30	REMOTE SENSING DATA ANALYSIS FOR THE ECOLOGICAL STABILITY PURPOSES Alexander Ivannikov - National University of Science and Technology MISIS, Russia
17:30 - 17:45	QUANTITATIVE AND QUALITATIVE TERRAIN ANALYSIS BASED ON DIGITAL TERRAIN MODEL Dana Sitanyiova - University of Žilina, Slovakia
17:45 - 18:00	SOME REMARKS ON REGISTRATION TECHNIQUES OF POINT CLOUDS OBTAINED FROM TERRESTRIAL LASER SCANNING Zbigniew Muszyński - Wrocław University of Science and Technology, Poland
END OF ORAL SESSIONS	

HALL – PRAGUE WEST		8 September, 2021 – Morning Sessions
SESSION: Atmospheric Sciences - Biogeosciences		
Chairmen: Marian Marschalko – VSB - Technical University of Ostrava		
09:15 - 09:30	SWAPPING OF THE PACIFIC AND ATLANTIC NIÑO INFLUENCES ON NORTH CENTRAL INDIA SUMMER MONSOON Ramesh Kumar Yadav - Indian Institute of Tropical Meteorology, India	
09:30 - 09:45	TOPOGRAPHY-INDUCED TRACK DYNAMICS OF STRONG CYCLONIC VORTICES OVER IDEAL TERRAIN FEATURES Hung-Cheng Chen - Shandong Polytechnic, China	
09:45 - 10:00	GEOCHEMICAL DIFFERENTIATION OF ATMOSPHERIC AEROSOLS IN NATURAL ZONES OF EUROPEAN RUSSIA Tatiana Kuderina - Institute of Geography RAS, Russia	
10:00 - 10:15	RUSSIAN APPROACHES TO THE FOREST TYPE CLASSIFICATION Valery Fomin - Ural State Forest Engineering University, Russia	
10:15 - 10:30	MICROBIOLOGICAL, HIDRODINAMICAL AND GEOCHEMICAL SURVEY OF SULFIDE-RICH MINERAL WATERS OF CALDAS DA RAINHA, CENTRAL PORTUGAL Rita Carvalho - Universidade de Lisboa, Portugal	
10:30 - 11:00	Coffee Break	
SESSION: Energy, Resources & Pollution & the Environment		
Chairmen: Isik Yilmaz – Cumhuriyet University, Turkey		
11:00 - 11:15	RESEARCH OF ACTIVE THERMAL PROTECTION OF BUILDINGS Daniel Kalús - Slovak University of Technology in Bratislava, Slovakia	

11:15 - 11:30	ASSESSMENT OF COMBINED ENERGY WALL SYSTEMS IN THE FUNCTION OF THERMAL BARRIER, WALL HEATING AND WALL COOLING Daniel Kalús - Department of Building Services Faculty of Civil Engineering, Slovak University of Technology in Bratislava, Slovak Republic
11:30 - 11:45	RESEARCH AND DEVELOPMENT OF A PREFABRICATED PANEL HOUSE IDA I. WITH A COMBINED BUILDING-ENERGY SYSTEM USING RES Daniel Kalús - Department of Building Services Faculty of Civil Engineering, Slovak University of Technology in Bratislava, Slovak Republic
11:45 - 12:00	NORTH ALGERIAN GEOTHERMAL RESERVOIRS TEMPERATURE ESTIMATION BY GEOLOGY AND HYDROGEOCHEMISTRY METHODS Abdelkader Ait Ouali - Centre de Developpement des Energies Renouvelables, Algeria
LUNCH BREAK	

HALL – PRAGUE WEST		8 September, 2021 – Afternoon Sessions
SESSION: Natural Hazards		
Chairman: Miroslav Broucek - CTU in Prague, Czech Republic		
13:00 - 13:15	SLOPE STABILITY HAZARD AND ITS MAPPING USING DEM AND GIS FOR THE MOUNTAIN CUT SLOPES ADJACENT TO ZINTAN ROAD, LIBYA Khalifa Abdunaser - Libyan Petroleum Institute, Libya	
13:15 - 13:30	EFFECT OF ENERGY DISSIPATION ON SCOUR HOLE DEVELOPMENT DOWNSTREAM OF THE CHUTE Martin Hladik - Czech Technical University in Prague, Czech Republic	
13:30 - 13:45	AN INNOVATIVE GB-INSAR SYSTEM FOR DEFORMATION MONITORING AND DISASTER MANAGEMENT Matthias Twardzik - IDS GeoRadar, part of Hexagon, Pisa, Italy	
13:45 - 14:00	PROBABILISTIC ANALYSIS OF THE OBSTRUCTION OF WATER SOURCES DUE TO THE OCCURRENCE OF RAIN-TRIGGERED MASS MOVEMENTS Laura Ortiz Giraldo - University of Medellin, Colombia	
14:00 - 14:15	EXPERIMENTAL INVESTIGATION OF INFLUENCES OF TRAFFIC LOAD ON HISTORICAL BUILDINGS Shota Urushadze - Institute of Theoretical and Applied Mechanics of the Czech Academy of Sciences, Czech Republic	
14:15 - 14:30	UTILIZATION OF RISK ANALYSIS OF HYDRAULIC STRUCTURES FOR EFFICIENT ALLOCATION OF MEANS Miroslav Broucek - CTU in Prague, Czech Republic	
14:30 - 15:00	Coffee Break	
SESSION: Geochemistry, Mineralogy, Petrology & Volcanology - Stratigraphy, Sedimentology & Palaeontology		
Chairman: Deniz Ibliloglu - Dumlupinar University, Turkey		
15:00 - 15:15	GEOCHEMISTRY OF LOW-GRADE METASEDIMENTARY ROCKS FROM THE BIGA PENINSULA, NW TURKEY: IMPLICATIONS FOR PROVENANCE AND TECTONIC SETTING Firat Sengün - Canakkale Onsekiz Mart University, Turkey	

15:15 - 15:30	GEOCHEMICAL STUDIES OF THE MINERALIZED ZONE IN DEFTA AREA, WADI HAM, UAE Bahaa Eldin Mahmud Amin - United Arab Emirates University, UAE
15:30 - 15:45	PLANKTONIC FORAMINIFERAL CONTENT AND STABLE ISOTOPE (δ -13C AND δ -18 O) DATA OF PALEOGENE-NEOGENE OLD UNITS IN KORKUTELI (NW OF ANTALYA) AND ITS SURROUNDING Deniz Ibilioglu - Dumlupinar University, Turkey
15:45 - 16:00	PLANKTONIC FORAMINIFERAL BIOSTRATIGRAPHY OF THE PALEOGENE SEQUENCE IN THE SOUTHWEST OF ANKARA Deniz Ibilioglu - Dumlupinar University, Turkey
16:00 - 16:15	PLANKTONIC FORAMINIFERAL CONTENT OF THE LOWER MIOCENE UNITS IN THE NORTH OF THE WESTERN TAURUS MOUNTAINS (INCESU, NW OF ISPARTA, TURKEY) Deniz Ibilioglu - Dumlupinar University, Turkey
16:15 - 16:30	RE-INVESTIGATION OF THE LOWER PALEOGENE RUS FORMATION PALEOENVIRONMENT, SE UNITED ARAB EMIRATES: NEW LITHOFACIES AND BIOFACIES DATA Osman Abdelghany - UAE University, UAE
16:30 - 16:45	GEOLOGY OF ZAGROS METAMORPHOSED VOLCANICLASTIC SANDSTONES: A KEY FOR CHANGING THE MAWAT OPHIOLITE COMPLEX TO A METAMORPHIC CORE COMPLEX, KURDISTAN REGION, NE-IRAQ Kamal Haji Karim - University of Sulaimani, Iraq
16:45 - 17:00	PALYNOFLORAL AND PALYNOFACIES STUDIES OF GANGAPUR FORMATION IN CHINTALAPUDI SUB-BASIN, SOUTH INDIA: ITS IMPLICATIONS TO BIOSTRATIGRAPHY, PALAEOVEGETATION, PALAEOECOLOGY AND ENVIRONMENT OF DEPOSITION Harinam Joshi - Birbal Sahni Institute of Palaeosciences, India
17:00 - 17:15	HYDROGEOCHEMISTRY OF THE THERMAL SPRINGS OF POJQPOQUELLA AND PHUTINA, PUNO, PERU Roberto Alfaro-Alejo - Universidad Nacional del Altiplano, Peru
17:15 - 17:30	PETROLOGY AND DIAGENESIS ANALYSIS OF EOCENE TO OLIGOCENE SANDSTONE IN CENTRAL ARJUNA SUB-BASIN, INDONESIA: IMPLICATION TO RESERVOIR QUALITY Muhammad Virgiawan Agustin - University Gadjah Mada, Indonesia
	END OF ORAL SESSIONS

POSTER PROGRAM

6 September, 2021 – Monday

13.30 -15.30

Stand No: 1 SALINIZATION AND ALKALIZATION AS DEGRADATION SOIL PROBLEM AT SOUTH PART OF DANUBE LOWLAND (SLOVAKIA)

Viera Kováčová - Institute of Hydrology Slovak Academy of Sciences, Slovakia

Stand No: 2 DIFFERENT AGE BASITES OF THE OLENEK UPLIFT (SIBERIAN CRATON)

Aleksandra Vasilyeva E. - Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 3 INVESTIGATION OF THE LIQUEFACTION POTENTIAL OF COAL ASHES DUE TO SEISMIC LOADING

Ivan Slávik - Slovak University of Technology, Slovak Republic

Stand No: 4 MONITORING OF ELASTIC DEFORMATIONS OF THE HYDRAULIC STRUCTURE GABCÍKOVO

Ivan Slávik - Slovak University of Technology, Slovak Republic

Stand No: 5 THE VISUALIZATION REPRESENTATION OF SPACE-TIME-PATH IN THE SPACE-TIME-CUBE

Bingbing Song - Nanjing Engineering Vocational College, P. R. China

Stand No: 6 STUDY ON SHEAR OF UNSATURATED COASTAL SALINE SOIL

Fang Li - Nanjing Engineering Vocational College, P.R. China

Stand No: 7 GENESIS AND EVOLUTION OF MAGMAS ACCORDING TO DATA ON HOT HETEROGENEOUS ACCRETION OF THE EARTH

Vladimir Shkodzinskiy - Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 8 THE EFFECT OF DIFFERENTIATION PROCESSES IN THOLEIITE-BASALT MELTS ON THE RARE ELEMENTS DISTRIBUTION

Albina Kopylova - Diamond and Precious Metal Geology Institute, Siberian Branch, Russian Academy of Sciences, Yakutsk, Russia

Stand No: 9 MINERALOGY AND GEOCHEMISTRY OF NATIVE IRON

Albina Kopylova - Diamond and Precious Metal Geology Institute, Siberian Branch, Russian Academy of Sciences, Yakutsk, Russia

Stand No: 10 MINERALIZATION IN THE ANDESITIC LAVA FROM KILDYAM VOLCANIC COMPLEX, CENTRAL YAKUTIA, RUSSIA

Aleksey Kostin - Diamond and Precious Metal Geology Institute, Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 11 A NEW MINERAL ASSEMBLAGE FROM THE DIORITE COMPLEX IN THE FE-OXIDE-CU-AU ORES OF THE KIS-KUEL DEPOSIT (EASTERN YAKUTIA, RUSSIA)

Aleksey Kostin - Diamond and Precious Metal Geology Institute, Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 12 TYPMORPHISM OF PLACER GOLD AND PREREQUISITES FOR THE DISCOVERY OF GOLD ORE OCCURRENCES IN THE SOUTHERN PART OF THE LENA-ANABAR TROUGH (NORTH-EAST OF THE SIBERIAN PLATFORM)

Boris Gerasimov - Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 13 THE INTERNAL STRUCTURE OF PLACER GOLD OF THE NORTH-EAST OF THE SIBERIAN PLATFORM AS A RELIABLE SEARCH SIGN OF PRIMARY SOURCES

Boris Gerasimov - Diamond and Precious Metal Geology Institute, Siberian Branch, Russian Academy of Sciences, 39, prosp. Lenina, Yakutsk, Russia, 677000

Stand No: 14 HYBRID INORGANIC-ORGANIC MEMBRANES IN THE SERVICE OF CLEAN COAL TECHNOLOGIES

Aurelia Rybak - Silesian University of Technology, Poland

Stand No: 15 IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT GOALS - AFFORDABLE AND CLEAN ENERGY IN THE EUROPEAN UNION

Aurelia Rybak - Silesian University of Technology, Poland

Stand No: 16 IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT GOALS - AFFORDABLE AND CLEAN ENERGY IN POLAND

Aurelia Rybak - Silesian University of Technology, Poland

7 September, 2021 – Tuesday

09.30 -12.00

Stand No: 1 AN IMPULSE FOR THE THALASSOTHERAPY ACTIVITY IN PORTUGAL TO BE FRAMED IN ACTIVITIES OF THE MEDICAL SPA TYPE - A PROPOSAL FOR CABO ESPICHEL (PORTUGAL)

Luís M. Ferreira Gomes - Beira Interior University, Portugal

Stand No: 2 GOOD PRACTICES OF QUALITY CONTROL IN THE AREA SURROUNDING OF NATURAL MINERAL WATER ABSTRACTION OF SÃO PEDRO DO SUL MEDICAL SPA (PORTUGAL)

Luís M.Ferreira Gomes - Beira Interior University, Portugal

Stand No: 3 USE OF EMPIRICAL FORMULAS FOR DETERMINATION OF SATURATED HYDRAULIC CONDUCTIVITY OF BED SILTS ALONG CHOTÁRNY CHANNEL - ŽITNÝ OSTROV.

Renáta Dulovicová - Slovak Academy of Sciences, Slovakia

Stand No: 4 IMPROVING CHARACTERISTIC PARAMETERS OF MEMRISTOR BASED ON HfO₂ ACTIVE LAYER

Zurab Kushitashvili - LEPL Institute of Micro and Nanoelectronics, Georgia

Stand No: 5 EFFECT OF MICROWAVE PRETREATMENT ON LEACHING OF TETRAHEDRITE

Ingrid Znamenáčková - Institute of Geotechnics of SAS, Slovak Republic

Stand No: 6 CHARACTERIZATION OF POLYMETALLIC ORE AND FLOTATION CONCENTRATE FROM THE MÁRIA MINE (ROŽNAVA, SLOVAK ORE MTS., EASTERN SLOVAKIA)

Slavomír Hredzák - Institute of Geotechnics of the Slovak Academy of Sciences, Slovakia

Stand No: 7 ECOTOXICOLOGICAL TESTS OF METAL-CONTAMINATED SOILS

Olga Šestinová - Slovak Academy of Sciences, Slovak Republic

Stand No: 8 CHARACTERISTICS AND SEASONAL VARIATIONS OF ATMOSPHERIC DEPOSITION OF SELECTED ELEMENTS IN THE URBAN AND INDUSTRIAL ENVIRONMENT OF KOŠICE (SLOVAKIA)

Olga Šestinová - Institute of Geotechnics of the Slovak Academy of Sciences, Slovakia

Stand No: 9 CREATING A THEMATIC GEODATABASE FOR MONITORING THE LANDSLIDE PROCESSES OF THE LANDSLIDE CIRCUS "DALGIA YAR"

Mila Atanasova-Zlatareva - National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences " acad. Georgi Bonchev" st., bl 3, Bulgaria

Stand No: 10 THE INFLUENCE OF CLIMATE CONDITIONS AND METEOROLOGICAL FACTORS ON THE NUTRITIONAL VALUE OF WHEAT (TRITICUM AESTIVUM L.) USED FOR HUMAN AND ANIMALS NUTRITION, IN ROMANIA

Monica Dragomirescu - University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania

Stand No: 11 MICROFUNGI ON SANDY BEACHES – POTENTIAL THREATS FOR PEOPLE ENJOYING LAKESIDE RECREATION

Tomasz Balabanski - University of Warmia and Mazury in Olsztyn, Poland

Stand No: 12 BRACHIOPODS OF THE CARBONIFEROUS-PERMIAN BOUNDARY DEPOSITS OF THE KUBALAKH SECTION (LOWER REACHES OF THE LENA RIVER, NORTHERN VERKHOYANIE)

Victor Makoshin - Diamond and Precious Metal Geology Institute, Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 13 STRUCTURAL EVOLUTION OF ORE-CONTROLLING TRANS-CRUSTAL FAULTS OF THE OLCHAN–NERA ZONE: CONSTRAINTS FROM THE KHANGALAS ORE CLUSTER, YANA–KOLYMA METALLOGENIC BELT, NE RUSSIA

Maxim Kudrin - Institute of Diamond and Precious Metal Geology, Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 14 ORE GEOLOGY, RE–OS ISOTOPE GEOCHEMISTRY OF THE AU AND AU-SB MINERALIZATIONS, KULAR–NERA TERRANE, NORTHEAST ASIA: IMPLICATIONS FOR TIME OF FORMATION AND ORE GENESIS

Maxim Kudrin - Institute of Diamond and Precious Metal Geology, Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 15 EARTHQUAKE MAGNITUDE ESTIMATION USING PRECISE POINT POSITIONING

Jakub Nosek - Brno University of Technology, Czech Republic

13.30 -15.30

Stand No: 1 REDUCING BLASTING-INDUCED GROUND VIBRATIONS AT THE VELKOLOM CERTOVY SCHODY-ZÁPAD QUARRY

Jakub Šrek - Austin Powder Service CZ s.r.o., Czech Republic

Stand No: 2 UNDRAINED SHEAR STRENGTH c_u AND UNDRAINED ELASTIC MODULUS E_u OF ANTHROPOGENIC SOILS FROM LABORATORY TESTS

Zofia Zięba - Wrocław University of Environmental and Life Sciences, Department of Civil Engineering, pl. Grunwaldzki 24, 50-363 Wrocław, Poland

Stand No: 3 THE DIVERSITY AND ECOLOGY OF MACROMYCETES ON SOILS OF ADJARA, GEORGIA

Otar Shainidze - Batumi Shota Rustaveli State University, Georgia

Stand No: 4 DYNAMIC ANALYSIS OF THE TANK FOR BIOGAS PRODUCTION

Norbert Jendzelovsky - STU Bratislava, Slovakia

Stand No: 5 ENZYMATIC ACTIVITY OF BACTERIA ISOLATED FROM POLAR MICROBIAL MATS

Jakub Tadeusz Kowalik - University of Warmia and Mazury in Olsztyn, Poland

Stand No: 6 INFLUENCE OF CONTROL POINTS CONFIGURATION ON THE MOBILE LASER SCANNING ACCURACY

Petr Kalvoda - Brno University of Technology, Czech Republic

Stand No: 7 MAGNETIC PROPERTIES OF IMPACT UHPHT GLASSES, MELT ROCKS, SUEVITIC BRECCIA AND TARGET ROCKS OF THE GIANT KARA METEORITE CRATER (PAY-KHOY, ARCTIC SEASHORE, RUSSIA)

Tatyana Shumilova - Institute of Geology, Russia

Stand No: 8 PRELIMINARY PETROLOGICAL AND GEOCHEMICAL STUDIES OF DOLERITE DIKES AT THE KARA ASTROBLEME CENTRAL UPLIFT, COMPARISON WITH UHPHT IMPACT MELT GLASSES (PAY-KHOY, RUSSIA)

Tatyana Shumilova - Institute of Geology, Russia

Stand No: 9 PETROLOGY OF GRANITOIDS OF THE SELENNYAKH RIDGE (VERKHAYANSK-KOLYMA OROGENIC BELT)

Vera Trunilina - Diamond and Precious Metal Geology Institute, SB RAS, Russian Federation

Stand No: 10 POLYFORMATIONAL AGDAI MASSIF (VERKHAYANSK-KOLYMA OROGENIC REGION)

Vera Trunilina - Diamond and Precious Metal Geology Institute, SB RAS, Russian Federation

Stand No: 11 GEOCHEMICAL CHARACTERISTICS OF THE DEEP-SEA SEDIMENTS FROM A HIGH POLYMETALLIC NODULES AREA IN THE CLARION-CLIPPERTON FRACTURES ZONE, NE PACIFIC

Atanas Hikov - Geological Institute, Bulgarian Academy of Sciences, Bulgaria

Stand No: 12 GROUNDMASS CHROMOSPINELLIDES FROM KIMBERLITES OF KHOMPU-MAY KIMBERLITE FIELD

Nikolay Oparin - Diamond and Precious Metal Geology Institute, Siberian Branch, Russian Academy of Sciences, Russia

Stand No: 13 COMPARATIVE CHARACTERISTICS OF STRUCTURAL-TEXTURAL, MINERALOGICAL AND PETROCHEMICAL FEATURES OF MELT ROCK IMPACTITES OF THE KARA ASTROBLEME. PRELIMINARY DATA (PAY-KHOY, RUSSIA)

Alexandr Zubov - Komi Scientific Center of Ural Division of Russian Academy of Sciences, Russia

Stand No: 14 PETROGRAPHIC AND PETROCHEMICAL CHARACTERISTICS OF SUEVITE MATRIX, WESTERN PART OF THE KARA ASTROBLEME (RUSSIA)

Nadezhda Maksimenko - Federal Research Center of Komi Scientific Center of Ural Division of Russian Academy of Sciences, Russia

Stand No: 15 RAILWAY TUNNEL PORTAL AS PART OF RAILWAY MODERNIZATION

Lubomir Prekop - STU in Bratislava, Slovakia

8 September, 2021 – Wednesday

09.00 -10.30 Special SESSION: Workshop – New Geotechnologies for Disaster Management (Monitoring and Environmental Aspect)

Stand No: 1 POSSIBILITY OF MONITORING OF MOVEMENT ON CRACKS FOR SOLID ROCKS
David Neuman - VŠB-Technical University of Ostrava, Czech Republic

Stand No: 2 GEODIVERSITY AND GEOCONSERVATION IN YUANMOU BASIN, YUNNAN PROVINCE, CHINA
Xianfeng Cheng - Yunnan Land and Resources Vocational College, China

Stand No: 3 USING OF THE TAPE EXTENSOMETER FOR POSSIBILITIES OF LANDSLIDE MONITORING OR ANOTHER PURPOSES
Barbara Matuszková - VŠB-Technical University of Ostrava, Czech Republic

Stand No: 4 ORE FEATURES AND GOLD OCCURRENCE OF THE MANLONGGOU GOLD DEPOSIT, SOUTHEAST YUNNAN PROVINCE, CHINA
Wufu Qi - Yunnan Land and Resources Vocational College, China

Stand No: 5 PRINCIPLES OF USING PRECISE INCLINOMETRY FOR LANDSLIDES
Erik Sombathy - VŠB-Technical University of Ostrava, Czech Republic

Stand No: 6 STUDY ON DEBRIS FLOW RISK MONITORING AND EARLY WARNING IN NUJIANG PREFECTURE, YUNNAN PROVINCE, CHINA
Qianrui Huang - Yunnan Land and Resources Vocational College, China

Stand No: 7 STABILITY OF THE BEDROCK OF CASTLE BUILDING FOR GEOTOURISM PURPOSES
Miloš Duraj - VŠB-Technical University of Ostrava, Czech Republic

Stand No: 8 THE APPLICATION OF DIGITAL INFORMATION TECHNOLOGY IN INTANGIBLE CULTURAL HERITAGE
Ping He - Kunming University, China

Stand No: 9 GEOTOURISM INTERESTING LOCALITY WITH REMEDIATION OF THE BEDROCK AND RESTORATION OF SPIŠ CASTLE - UNESCO HERITAGE SITE
Miloš Duraj - VŠB-Technical University of Ostrava, Czech Republic

10.30 -12.30

Stand No: 10 OPTIMIZATION OF BLOCK CAVING STOPE BOUNDARY AND THE UNDERCUT LEVEL, CASE STUDY: SONGUN COPPER MINE

Mehdi Rahmanpour - University of Tehran, Iran

Stand No: 11 DIABASE FROM DRACA OPEN PIT MINE IN CENTRAL SERBIA – QUALITY ASSESSMENT FOR BUILDING STONE PURPOSES

Lidja Kurešević - Institut IMS, Serbia

Stand No: 12 STATISTICAL ANALYSIS AND TREND DETECTION OF THE HYDROLOGICAL EXTREMES OF THE DANUBE RIVER AT BRATISLAVA

Veronika Bacová Mitková - Institute of Hydrology Slovak Academy of Sciences, Slovakia

Stand No: 13 DISASTER FLOOD SCENARIO CASE STUDY OF THE UH RIVER IN LEKAROVCE (SLOVAKIA)

Pavla Pekárová - Institute of Hydrology Slovak Academy of Sciences, Slovakia

Stand No: 14 USING HEAT FLOW DENSITY VALUES OBTAINED IN THE GULF OF CADIZ AND GORRINGE BANK, ATLANTIC OCEAN

Maria Rosa Duque - Universidade de Évora, Portugal

Stand No: 15 PALEONTOLOGICAL MONUMENT OF NATURE "MAMONTOVA GORA" EXPOSURE (YAKUTIA, EASTERN SIBERIA, RUSSIA)

Gennady Boeskorov - Diamond and Precious Metals Geology Institute, Siberian Branch of RAS, Russia

Stand No: 16 PARACOCCUS HOMIENSIS IS ABLE TO CONVERT VOLATILE FATTY ACIDS INTO POLYHYDROXYALKANOATES

Karolina Szacherska - University of Warmia and Mazury in Olsztyn, Poland

Stand No: 17 COMPARISON OF INVASIVE AND NON-INVASIVE METHODS IN SITE RESPONSE, CASE STUDY: SOIL DEPOSITS OF LA ESTRELLA

Daniel Largo - University of Medellin, Colombia

Stand No: 18 MATERIAL COMPOSITION OF THE MESOZOIC ALKALINE ROCKS OF THE YUKHTA MASSIF (SOUTHERN YAKUTIA, CENTRAL-ALDAN ORE REGION)

Aleksey Ivanov - Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 19 PETROGRAPHY OF THE MESOZOIC ALKALINE ROCKS OF THE TAEZHNIY MASSIF (SOUTH YAKUTIA, ALDAN-STANOVY SHIELD, LEGLIER ORE CLUSTER)

Aleksey Ivanov - Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 20 MINERALOGICAL AND GEOCHEMICAL FEATURES OF NATIVE GOLD FROM PLACERS OF EVOTA GOLD-BEARING REGION (RUSSIA, ALDAN SHIELD)

Anatolii Zhuravlev - Diamond and Precious Metal Geology Institute, Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 21 THE ROLE OF LAND USE AND MORPHOLOGY REPRESENTATION IN THE SETUP AND CALIBRATION OF THE CONCEPTUAL TUW MODEL

Martin Kubán - Slovak University of Technology, Slovakia

Stand No: 22 MINERALOGICAL CRITERIA FOR GENETIC RELATIONSHIP OF SILICATE IGNEOUS AND CARBONATITE ROCKS OF THE TOMTOR MASSIF (SIBERIAN PLATFORM)

Alexander Okrugin - Diamond and Precious Metal Geology Institute, Siberian Branch of Russian Academy of Sciences, Russia

Stand No: 23 GEOLOGICAL MAPPING OF RATES AND SÃO FÉLIX OF LAÚNDOS REGION (NORTHERN PORTUGAL)

Helena Couto - University of Porto, Portugal

Stand No: 24 TECTONIC SETTING OF THE CENTRAL PART OF THE ADYCHA-TARYN FAULT ZONE (NE RUSSIA)

Dmitry A. Vasiliev - Siberian Branch, Russian Academy of Sciences, Diamond and Precious Metal Geology Institute, Russia

13.30 -15.30

Stand No: 1 MAGNETIC MAPPING AND SEISMOACUSTIC INVESTIGATIONS IN THE ALTINUM SUBMERGED ARCHAEOLOGIC SITE

Anghel Sorin - National Institute for Research and Development on Marine Geology and Geoecology-GeoEcoMar, Romania

Stand No: 2 EXPERIMENTAL RESEARCH OF POSSIBILITIES FOR DEVELOPING A BUILDING INFORMATION MODEL OF A LASER SCANNED PHYSICAL OBJECT

Danail Nedyalkov - UACEG, Bulgaria

Stand No: 3 GROUNDWATER RESOURCES SUSTAINABILITY IN ARID REGIONS USING GEOPHYSICAL METHODS, CASE STUDY, AL-AIN, UAE

Amir Gabr - College of Science, UAEU, United Arab Emirates

Stand No: 4 PROCESSABILITY OF GRAPHITE RAW MATERIAL IN THE CZECH REPUBLIC

Nicole Hurtová - Czech University of Life Sciences Prague, Czech Republic/Czech Geological Survey

Stand No: 5 METHODOLOGY OF DAM MONITORING USING 3D LASER SCANNER. CASE OF KRAMIS'S DAM (MOSTAGANEM, ALGERIA)

Bachir Gourine - Centre of Spatial Tehniques, Algeria

Stand No: 6 THREE-DIMENSIONAL MODELING OF SPATIAL DATA
Gergana Antova - UACEG, Bulgaria

Stand No: 7 MODEL-BASED CORRECTION METHOD FOR TEMPERATURE-DEPENDENT MEASUREMENT ERRORS IN EMI SYSTEMS
Martial Tazifor Tchanchcho - Electronic Systems – ZEA-2, Germany

Stand No: 8 STUDY OF AR+ AND HE+ IMPLANTED SOS-STRUCTURES
Amiran Bibilashvili - Iv.Javakhishvili Tbilisi State University, Georgia

Stand No: 9 CHARACTERISING NITRATE DYNAMIC IN A RURAL CATCHMENT USING CONCENTRATION-DISCHARGE RELATIONSHIPS
Teresa Taboada-Castro - University of A Coruna, Spain

Stand No: 10 WATER QUALITY LINKED TO AGRICULTURAL AND LIVESTOCK ACTIVITIES OF LOW INTENSITY: A CASE STUDY IN A SMALL HUMID TEMPERATE CATCHMENT
Teresa Taboada-Castro - University of A Coruna, Spain

Stand No: 11 MULTISTAGES MINERALIZATION AND TRANSFORMATION OF CLASTIC ROCKS IN THE VYUN ORE FIELD, YANA-KOLYMA METALLOGENIC BELT, NORTHEAST ASIA: CONSTRAINTS FROM THE SEDIMENTARY, DIAGENETIC AND HYDROTHERMAL SULFIDES AND GEOCHEMISTRY OF ORE-HOSTING ROCKS
Lena Polufuntikova Lena - 1Ammosov Northeastern Federal University, Russia

Stand No: 12 IRON OXIDE TRACE ELEMENTS GEOCHEMISTRY AS A TOOL IN MINERAL EXPLORATION: A CASE STUDY IN NW SPAIN
Rodrigo Álvarez - University of Oviedo, Spain

Stand No: 13 APPLICATION OF PB, CU AND ZN ISOTOPES IN THE DISCRIMINATION OF POLLUTION SOURCES IN LARGE INDUSTRIAL CITY (EKATERINBURG, RUSSIA)
Tatyana Okuneva - Zavaritsky Institute of Geology and Geochemistry UB RAS, Russia

Stand No: 14 GROUNDWATER CONTAMINATION RISK ASSESSMENT BASED ON ADVECTION-DISPERSION EQUATION
Gelu Madear - ECO-ROCCA Engineering, Romania

Stand No: 15 CORELA DEVICE FOR DRILLING CORE ACTIVITY MEASUREMENT
Tomáš Marek - Crytur spol. s r.o., Czech Republic

Stand No: 16 THE EFFECT OF SURFACE FINISHES ON RISING DAMP IN ORIENTED STRAND BOARD
Erika Kratochvílová - Brno University of Technology, Czech Republic

9 September, 2021 – Thursday

09.30 -11.00

Stand No: 1 REMOVAL OF SPECIFIC PHARMACEUTICALS FROM WATER USING ACTIVATED CARBON
Jan Ilavsky - Slovak University of Technology, Slovakia

Stand No: 2 NEW TECHNOLOGIES FOR REAL ESTATE MARKET ANALYSIS
Piotr Bożek - University of Agriculture in Krakow, Poland

Stand No: 3 ECOLOGICAL PROCESS OF A NANO GOLD OBTAINING FROM THE SLOVAK CONCENTRATE
Jana Ficeriová - Slovak Academy of Sciences, Slovakia

Stand No: 4 A HYBRID MODEL COUPLING EXTREME GRADIENT BOOSTING MODEL WITH GAUSSIAN MIXTURE MODEL FOR STREAMFLOW FORECASTING
Lingling Ni - Nanjing University, China

Stand No: 5 STREAMFLOW FORECASTING BY TWO LONG SHORT-TERM MEMORY-BASED MODELS
Lingling Ni - Nanjing University, China

Stand No: 6 HYDROLOGICAL SIMULATION AND PREDICTION OF TYPICAL MINING AREA UNDER CHANGING ENVIRONMENT
Wang Dong - Nanjing University, PR China

Stand No: 7 ANALYSIS OF PRECIPITATION DISTRIBUTION CHARACTERISTICS BASED ON SPATIAL INTERPOLATION PREDICTION EXPERIMENT
Wang Dong - Nanjing University, PR China

Stand No: 8 STABLE LEAD ISOTOPIC RATIOS AS INDICATOR OF URBAN GEOCHEMICAL PROCESSES
Andrian Seleznev - Ural Branch of the Russian Academy of Sciences, Russia

Stand No: 9 ANALYSIS ON COMPLEXITY OF WATER TEMPERATURE AND ITS FACTORS IN THE MIDDLE REACH OF THE YANGTZE RIVER
Yuwei Tao - Nanjing University, China

Stand No: 10 SUPPORTING ACTIONS TO INCREASE SEISMIC RESPONSE IN AREAS WITH POTENTIAL FOR DISASTER
Claudiu-Sorin Dragomir - National Institute of Research and Development URBAN-INCERC, Romania

Stand No: 11 SELECTED PROBLEMS OF POLAND'S ENERGY TRANSFORMATION IN THE LIGHT OF THE REQUIREMENTS OF THE EUROPEAN GREEN DEAL

Anna Bluszcz - Silesian University of Technology, Poland

Stand No: 12 INNOVATIVE TECHNOLOGIES FOR THE PRODUCTION OF CERAMIC BUILDING MATERIALS FROM WASTE OF NATURAL (EXOGENOUS) PROCESSES

Elena Shapakidze - I. Javakishvili Tbilisi State University, Georgia

Stand No: 13 ADSORPTION OF H₂S FROM THERMAL WATER USING CLINOPTILOLITE

Lali Akhalbedashvili - Ivane Javakishvili Tbilisi State University, Georgia

Stand No: 14 ENHANCING THE ENVIRONMENTAL PERFORMANCE OF BIOTRICKLING FILTERS TREATING VOLATILE ORGANIC COMPOUNDS IN AIR

Igor Cretescu - "Gheorghe Asachi" Technical University of Iasi, Romania

Stand No: 15 FORECASTING OF THE SHARE OF RENEWABLE SOURCES IN THE TOTAL FINAL ENERGY CONSUMPTION FOR SELECTED EUROPEAN UNION COUNTRIES

Anna Manowska - Silesian University of Technology, Poland



Social Program – WMESS 2021

6 September, 2021 — Monday

Opening Concert in Hall Prague - 10.30

Welcome Cocktail in Garden of Duo Hotel - 19:00

10 September, 2021 — Friday

Gala Dinner in Garden of Duo Hotel - 19:00

(Barbeque Party and Surprise Shows)

NOTES

Cocktail and gala dinner will be organized in open air.

As it was announced on the official web page, this year for the safety of our participants, Cultural & Field Trip will unfortunately not be able to be organized because of the travel restrictions by bus due to the Covid-19 pandemic.