



# Schedule & Program

3-7 September, 2018 - Prague, Czech Republic

## REGISTRATION from 2 September, 2018 – Sunday

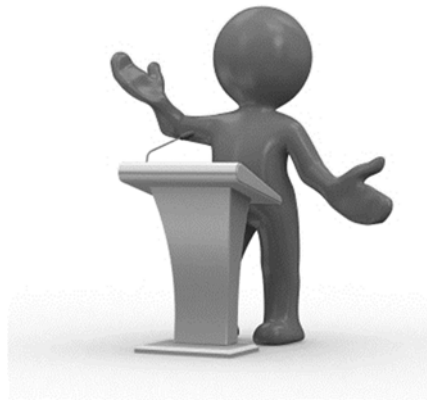
2 September, 2018 - from 10:30 to 20:00	Registration
3 September, 2018 - from 09:00 →	Registration will continue ...

## OPENING / CEREMONY

3 September, 2018 – Monday in HALL: PRAGUE

10:30 - 10:45	Opening Concert
10:45 - 11:15	Opening Speeches
11:15 - 12:00	Key Speaker – Prof.Dr. Nikoloz CHIKHRADZE G.Tsulukidze Mining Institute, Georgia Explosives & Blasting Technology: Problems of Safety and Industrial Application

# Oral Program



**Oral Sessions**  
**3 September, 2018 - Monday**

<b>HALL - PRAGUE</b>	
<b>SESSION: Engineering Geology - I</b> <i>Chairmen: Suha Özden</i>	
13:00 - 13:15	RMQR CLASSIFICATION SYSTEM APPLICATION AND COMPARISON WITH RMR AND Q-SYSTEMS Nazmi Sengun - Süleyman Demirel University, Turkey
13:15 - 13:30	PHYSICAL-MECHANICAL CHARACTERIZATION OF ROCKS FROM ANGOLA AS DIMENSION STONES Isabel Fernandes - University of Lisbon, Portugal
13:30 - 13:45	PETROGRAPHIC ANALYSIS OF ROCKS FROM ANGOLA AS DIMENSION STONE Isabel Fernandes - University of Lisbon, Portugal
13:45 - 14:00	INFLUENCE OF FLY ASH ON THE ENGINEERING PROPERTIES OF SILTY CLAY AND HEAVY LOAM IN SHANGHAI Jili Qu - University of Shanghai for Science and Technology, China
14:00 - 14:15	COLLISION RESPONSE AND VULNERABILITY ANALYSIS OF THE ADJACENT RC FRAME STRUCTURES BASED ON OPENSEES Kui Zhou - University of Shanghai for Science and Technology, China
14:15 - 14:30	Coffee Break
<b>SESSION: Engineering Geology - II</b> <i>Chairmen: Jili Qu</i>	
14:30 - 14:45	SIMULATION ANALYSIS OF SUPPORT BRACKET IN INDOOR DEMOLITION AND RENOVATION PROJECT Weidong Liu - University of Shanghai for Science and Technology, China
14:45 - 15:00	THE 2017 AYVACIK (ÇANAKKALE) EARTHQUAKES, NW TURKEY Süha Özden - Çanakkale Onsekiz Mart University, Turkey
15:00 - 15:15	SLOPE STABILITY OF DAM EMBANKMENT: GUMUSHANE LIQUID WASTE CONTAINMENT PROJECT Selcuk Alemdag - Gumushane University, Turkey
15:15 - 15:30	THE CREATION OF GEOCHEMICAL BARRIERS ON THE BASIS OF SANDY SOILS Irina Rodkina - Moscow state University M. V. Lomonosov, Russia
15:30 - 15:45	NON-INTRUSIVE PROCEDURES TO STUDY THE SLOPE STABILITY AT KARIMBALA ROAD IN MAUBARA, TIMOR LESTE Oktoviano V. T. Jesus - Instituto do Petróleo e Geologia, Portugal
END OF ORAL SESSIONS	

<b>HALL - STOCKHOLM</b>	
<b>SESSION: Energy, Resources &amp; Pollution &amp; the Environment - Environmental Legislation</b> <i>Chairmen: Silvena Boteva, Dimitris Marinakis</i>	
13:00 - 13:15	HEAVY METALS ASSESSMENT OF THE BOTTOM SEDIMENTS AT RAS AL KHAIMAH COASTAL AREA, UAE Sulaiman Alaabed - UAE University, UAE
13:15 - 13:30	THE CHARACTERIZATION OF THE PRODUCTS OBTAINED BY CO-LIQUEFACTION OF ELBISTAN LIGNITE AND APRICOT KERNEL SHELL Hüseyin Karaca - Inonu University, Turkey
13:30 - 13:45	PETROGRAPHIC & PROXIMATE ANALYSIS OF ELBISTAN LIGNITE & LIQUEFACTION Cemil Koyunoglu - Istanbul Technical University, Istanbul
13:45 - 14:00	LIFE CYCLE ASSESSMENT OF THE BIO-MITIGATION IN A STEEL AND IRON INDUSTRY USING MICROALGAE Ece Polat - Istanbul Technical University, Istanbul
14:00 - 14:15	ON REALIZATION OF A COMMUNICATION SYSTEM FOR ATMOSPHERIC PROBES BASED ON LORA TECHNOLOGIES: PRELIMINARY MEASUREMENTS AND RESULTS Lorenzo Carosso - Polytechnic University of Turin, Italy
14:15 - 14:30	Coffee Break

<b>SESSION: Energy, Resources &amp; Pollution &amp; the Environment - Environmental Legislation</b>	
<i>Chairmen: Huseyin Karaca</i>	
14:30 - 14:45	THE IMPACT OF THE ASH USAGE FROM INDIVIDUAL STOVES ON SELECTED PHYSICOCHEMICAL PROPERTIES OF CULTIVATED GROUNDS Daria Polek - AGH University of Science and Technology, Poland
14:45 - 15:00	THE EFFECTS OF PROCESS PARAMETERS ON THE CO-LIQUEFACTION OF ELBISTAN LIGNITE AND APRICOT KERNEL SHELL Hüseyin Karaca - Inonu University, Turkey
15:00 - 15:15	POVERTY, SOCIAL JUSTICE AND ECOLOGICAL PROBLEMS WITHIN THE SCOPE OF SUSTAINABILITY Malik Akkaya - Mugla Sitki Koçman University, Turkey
15:15 - 15:30	THE EFFECT OF HERBICIDES PARAQUAT AND GLYPHOSATE ON THE EARLY DEVELOPMENT OF TWO TEST PLANTS Silvena Boteva - Sofia University "St. Kliment Ohridski", Bulgaria
15:30 - 15:45	EXPERIMENTAL STUDY OF THE GAS HYDRATES DISSOCIATION EFFECT ON THE PROPERTIES OF THE HOST MARINE SEDIMENT Dimitris Marinakis - Technical University of Crete, Greece
15:45 - 16:00	EU LEGISLATION IN THE GEOTHERMAL FIELD AND ITS TRANSPOSITION THE NATIONAL LEGISLATION OF DANUBE REGION COUNTRIES Lidia Lenuta Balan - Geological Institute of Romania, Romania
16:00 - 16:15	OVERVIEW OF NATIONAL LEGISLATION IN THE GEOTHERMAL FIELD IN DANUBE REGION'S COUNTRIES Lidia Lenuta Balan - Geological Institute of Romania, Romania
END OF ORAL SESSIONS	

<b>HALL - ZURICH</b>	
<b>SESSION: Blasting &amp; New Technologies</b>	
<i>Chairmen: Nikoloz Chikhradze</i>	
13:00 - 13:15	EXPLOSIVE SYNTHESIS OF HIGH ENTROPY ALLOYS Nikoloz Chikhradze - G.Tsulukidze Mining Institute, Georgia
13:15 - 13:30	SHOCK-WAVE CONSOLIDATION OF BORON AND CARBON CONTAINING ULTRAFINE POWDERS AND INVESTIGATION THEIR STRUCTURE/PROPERTIES Mikheil Chikhradze - G.Tsulukidze Mining Institute, Georgia
13:30 - 13:45	THE IMPACT OF WATER MIST THICKNESS ON SHOCK WAVE ATTENUATION Mikheil Chikhradze - G.Tsulukidze Mining Institute, Georgia
13:45 - 14:00	STUDY OF IMPACT MINE BLAST ON ARMOR VEHICLE OCCUPANTS BY PHYSICAL MODELING Nika Bochorishvili - G.Tsulukidze Mining Institute, Georgia
14:00 - 14:15	CREATION OF DETONATION CHAMBER FOR EXPERIMENTAL DETERMINATION OF THERMODYNAMIC CHARACTERISTICS OF MODERN EXPLOSIVES Davit Khomeriki - G.Tsulukidze Mining Institute, Georgia
14:15 - 14:30	Coffee Break
<b>SESSION: Mineral Processing</b>	
<i>Chairmen: Mikheil Chikhradze, Nevzat Ozgur</i>	
14:30 - 14:45	PETROGRAPHIC STUDY AND IRON ORE TREATMENT DEPOSIT OF GARA DJEBILET TINDOUF Bajouj Salem - Badji Mokhtar University, Algeria
14:45 - 15:00	RECOVERY OF CHROMITE FROM PLANT TAILINGS BY FALCON CONCENTRATOR Esra Bilici - Erzincan University, Turkey
15:00 - 15:15	SMOLDERING TEMPERATURE OF A STEAM COAL Ihsan Toroglu - Zonguldak Bülent Ecevit University, Turkey
15:15 - 15:30	GRINDABILITY OF REFRACTORY BRICK WASTES Dilek Cuhadaroglu - Zonguldak Bülent Ecevit University, Turkey

15:30 - 15:45	THE USE AND CHARACTERIZATION OF HEKIMHAN-MALATYA-TURKEY HEMATITE ORE AS CERAMIC GLAZE PIGMENT Nilgun Kizilkaya - Inonu University, Turkey
15:45 - 16:00	CORRELATION BETWEEN IMAGE ANALYSIS AND GROSS CALORIFIC VALUE FOR COAL SAMPLES Mehmet Bilen - Zonguldak Bülent Ecevit University, Turkey
	END OF ORAL SESSIONS

**Oral Sessions**  
**4 September, 2018 - Tuesday**

<b>HALL - PRAGUE</b>	
<b>SESSION: Geotechnics – I</b> <i>Chairmen: Mário Quinta-Ferreira</i>	
09:00 - 09:15	PAVEMENT MAINTENANCE MANAGEMENT USING VISUAL SURVEY AND NON DESTRUCTIVE TEST (FWD) Mansour Fakhri - K.N.Toosi University of Technology, Iran
09:15 - 09:30	NUMERICAL MODELING OF SLOPE STABILITY IN OPEN PIT PHOSPHATE MINES, ALGERIA: A COMPARATIVE STUDY Mohamed Fredj - University of Bejaia, Algeria
09:30 - 09:45	STUDY EFFECT OF GEOLOGICAL PARAMETERS OF THE SLOPE STABILITY BY NUMERICAL MODELING, CASE LIMESTONE CAREER OF LAFARGE-M'SILA Abderrazak Saadoun - University of Bejaia, Algeria
09:45 - 10:00	MECHANICAL AND HYDRAULIC BEHAVIOR OF UNSATURATED RESIDUAL SOILS Melissa Arango Torres - University of Medellin, Colombia
10:00 - 10:15	THREE-DIMENSIONAL DIGITAL MODELLING BY METHOD OF FINITE ELEMENTS OF EFFECT SIZING OF A TUNNEL: CASE OF TUNNEL "TIZI-OUZOU" Nacereddine Fellouh - Badji Mokhtar University, Algeria
10:15 - 10:30	PRELIMINARY SUPPORT DESIGN OF TUNNEL EXCAVATION BY CONVERGENCE-CONFINEMENT METHOD AND THE FINITE ELEMENT METHOD Riadh Boukarm - University of Bejaia, Algeria
10:30 - 10:45	Coffee Break
<b>SESSION: Geotechnics – II</b> <i>Chairmen: Monika Gwozdz - Lason</i>	
10:45 - 11:00	APPLICATION OF DISTRIBUTED OPTICAL FIBRE SENSOR FOR STRAIN & TEMPERATURE MONITORING IN CONTINUOUS FLIGHT AUGER COLUMNS (CFA) Rafal Sienko - Cracow University of Technology, Poland
11:00 - 11:15	PERFORMANCE EVALUATION OF PAVEMENTS CONSTRUCTED ON EPS GEOFOAM BACKFILL USING REPEATED PLATE LOAD TEST Omid Khalaj - University of West Bohemia, Czech Republic
11:15 - 11:30	DAMPING RATIO OF FOUNDATION BED WITH MULTILAYERED RUBBER-SOIL MIXTURES Omid Khalaj - University of West Bohemia, Czech Republic
11:30 - 11:45	INTERPRETATION OF CPTU, PMT, SPT AND CROSS-HOLE TESTS IN STIFF CLAY Boris Kavur - University of Zagreb, Croatia
11:45 - 12:00	STABILIZATION OF A TROPICAL SOIL USING GEOPOLYMERS Fredy Alexander Muñoz Cano - University of Medellin, Colombia
12:00 - 13:00	Lunch Break
<b>SESSION: Geotechnics – III</b> <i>Chairmen: Isik Yilmaz</i>	
13:00 - 13:15	THE EFFECT OF ACTIVE MINING IMPACT ON PROPERTIES WITH ENGINEERING STRUCTURES – FORECAST AND FINAL RESULT DISCREPANCIES Monika Gwozdz Lason - University of Bielsko-Biala ATH, Poland
13:15 - 13:30	COMPARISON OF SPREAD FOUNDATION DESIGN IN CASE OF INHOMOGENEOUS SUBSOIL Giang Nguyen - University of Žilina, Slovakia
13:30 - 13:45	POTENTIALLY AFFECTED STRUCTURES BY TUNNELLING IN AN URBAN AREA: CASE STUDY OF ALGIERS SUBWAY Amir Boustila - University of Badji Mokhtar, Algeria
13:45 - 14:00	GROUND PENETRATION RADAR IN GEOTECHNICS Mário Quinta-Ferreira - University of Coimbra, Portugal
14:00 - 14:15	STUDY OF A DEEP EROSION IN AEOLIAN SANDS Mário Quinta-Ferreira - University of Coimbra, Portugal
14:15 - 14:30	Coffee Break



<b>SESSION: Urban Planning</b>	
<i>Chairmen: Ibolya Torok</i>	
14:30 - 14:45	HOUSING, MIGRATION AND COHABITATIONS: NEW EXPERIENCES IN NORTHERN ITALY Fabrizio Paone - Polytechnic University of Turin, Italy
14:45 - 15:00	REGIONAL INEQUALITIES IN ROMANIA BEFORE AND AFTER THE EU ACCESSION Ibolya Torok - Babes-Bolyai University, Romania
15:00 - 15:15	SEARCHING FOR HOUSING MODEL OF 21st CENTURY: ANALYSIS OF CHOSEN POLISH AND DUTCH CONCEPTS Andrzej Tokajuk - Bialystok University of Technology, Poland
15:15 - 15:30	ECOLOGICAL APPROACH AS AN URBAN DESIGN SOLUTION FOR SENSITIVE TERRITORIES Ana Virtudes - Universidade da Beira Interior, Portugal
15:30 - 15:45	SOFT MOBILITY AS AN URBAN DESIGN SOLUTION FOR RIVER BANKS Ana Virtudes - Universidade da Beira Interior, Portugal
15:45 - 16:00	AN URBAN DESIGN SOLUTION FOCUSED ON RIVER SPORTS Ana Virtudes - Universidade da Beira Interior, Portugal
<b>END OF ORAL SESSIONS</b>	

<b>HALL - STOCKHOLM</b>	
<b>SESSION: Environmental Sciences - I</b>	
<i>Chairmen: Anna Dzikowska</i>	
09:00 - 09:15	METHOD DEVELOPMENT FOR DETERMINATION OF EDTA IN WATER BY USING TRADITIONAL SPLIT/SPLITLESS INJECTOR – COMPARING EXTERNAL AND INTERNAL STANDARD METHODS OF QUANTIFICATION Pavel Kuran - University of Jan Evangelista Purkyne, Czech Republic
09:15 - 09:30	MAPPING INVASIVE PLANTS IN RIVERBANK VEGETATION Barbora Vaseková - Slovak University of Technology in Bratislava, Slovakia
09:30 - 09:45	POTENTIAL BIODIVERSITY THREATS ASSOCIATED WITH THE METAL POLLUTION IN THE NILE-DELTA ECOSYSTEM (MANZALA LAGOON, EGYPT) Ahmed Awad Abdelhady - Minia University, Egypt
09:45 - 10:00	SUSTAINABLE MICROALGAE-BASED BIOFUEL PRODUCTION USING ADAPTIVE STRESS STRATEGIES Ece Polat - Gebze Technical University, Turkey
10:00 - 10:15	IMPACT EVALUATION OF RIPARIAN VEGETATION ON AQUATIC HABITAT QUALITY OF RIVERS Zuzana Štefunková - Slovak Technical University, Slovakia
10:15 - 10:30	OPTICAL PROPERTIES OF DISSOLVED ORGANIC MATTER IN URBAN FOUNTAINS Katarzyna Parszuto - University of Warmia and Mazury, Poland
10:30 - 10:45	Coffee Break
<b>SESSION: Environmental Sciences - II</b>	
<i>Chairmen: Katarzyna Parszuto</i>	
10:45 - 11:00	THE PILOT STUDY ON WATER CHEMISTRY IN MUNICIPAL FOUNTAINS IN OLSZTYN (NE POLAND) Renata Tandyrak - University of Warmia and Mazury, Poland
11:00 - 11:15	TOXICITY OF Pb IN THE HEPATOPANCREAS OF LYMNAEA STAGNALIS (GASTROPODA, PULMONATA) Birgül Otludil - Dicle University, Turkey
11:15 - 11:30	PLANT CELL, TISSUE AND ORGAN CULTURE Medet Korkunç - Dicle University, Turkey
11:30 - 11:45	DETERMINATION OF VOLATILE OIL CONTENT FROM OAT SEED ( <i>Peganum harmala</i> L.) BY SUPERCRITICAL CO <sub>2</sub> EXTRACTION METHOD Medet Korkunç - Dicle University, Turkey

11:45 - 12:00	INVESTIGATION OF ADAPTATION OF LAVENDER PLANT AND IN VITRO MICROBIAL POSSIBILITIES IN DIYARBAKIR CONDITIONS Medet Korkunç - Dicle University, Turkey
12:00 - 13:00	Lunch Break
SESSION: Environmental Sciences - III <i>Chairmen: Renata Tandyrak</i>	
13:00 - 13:15	FUNGAL SPORES CHARACTERIZATION IN SIZE SEGREGATED ATMOSPHERIC AEROSOL Ksenia Shamratova - Charles University, Czech Republic
13:15 - 13:30	THREE PILLARS OF SUSTAINABILITY – ECOLOGICAL, SOCIOLOGICAL & ECONOMICAL IN INTEGRITY OF URBAN LINKAGES IN GREEN INFRASTRUCTURE Anna Dzikowska - General Tadeusz Kościuszko Military Univ. of Land Forces, Poland
13:30 - 13:45	ALLOTMENT GARDENS AS SIGNIFICANT ELEMENT INTEGRATING GREENERY SYSTEM OF THE CITY Anna Dzikowska - General Tadeusz Kościuszko Military Univ. of Land Forces, Poland
13:45 - 14:00	MAPPING INVASIVE PLANTS IN RIVERBANK VEGETATION Barbora Vaseková - Slovak University of Technology in Bratislava, Slovakia
14:00 - 14:15	MICROFILTRATION IN WATER TREATMENT FOR REMOVAL OF SUSPENDED SOLIDS AND NATURAL ORGANIC MATTER Danka Barlokova - Slovak Technical University, Slovakia
14:15 - 14:30	Coffee Break
14:30 - 14:45	EVALUATION OF TEMPORAL LEACHABILITY OF STRONTIUM FROM BUILDING MATERIALS TO THE ENVIRONMENT Agnieszka Pekala - Rzeszow University, Poland
14:45 - 15:00	RESEARCH ON TEMPORAL LEACHABILITY OF TRACE ELEMENTS FROM OPOKA – ROCKS IN THE ASPECT OF GEOCHEMICAL ENVIRONMENTAL INDICATORS Agnieszka Pekala - Rzeszow University of Technology, Poland
15:00 - 15:15	EFFECTIVENESS OF GEOTEXTILE ROPES IN SLOPE EROSION PROTECTION Giang Nguyen - University of Žilina, Slovakia
15:15 - 15:30	HYDROLOGICAL MODELLING OF HUALLAGA RIVER BASIN AND STUDY OF IMPACTS OF CLIMATE CHANGE ON THE HYDROLOGICAL RESPONSE Julio Montenegro Gambini - National University of Engineering (UNI), Peru
15:30 - 15:45	HOW TO COPE WITH WATER CRISIS? USE OF WATER FOOTPRINT INDICATOR TO IMPROVE THE USE & CONTAMINATION OF RESOURCE IN A TEXTILE INDUSTRY Alejandra Maffa - San Francisco de Quito University, Quito-Ecuador
END OF ORAL SESSIONS	

#### HALL – ZURICH

##### SESSION: Mining Engineering

*Chairmen: Andrian Batugin, Servet Demirdag*

09:00 - 09:10	THE PRINCIPLES FOR THE APPLICATION OF VIBRATION INTENSITY SCALE FOR THE PREDICTION AND ASSESSMENT OF THE IMPACT OF ACTIONS THE EXPLOITATION OF THE MINE ON BUILDINGS AND PEOPLE Monika Gwozdz - Lason - University of Bielsko-Biala ATH, Poland
09:15 - 09:30	APPLICATION OF ANALYTICAL AND NUMERICAL METHODS FOR SIZING THE PILLARS OF THE BOUKHADRA IRON MINE – ALGERIA Mohamed Laid Boukelloul - University Badji Mokhtar, Algeria
09:30 - 09:45	MINING CAPITAL COST ESTIMATION USING NEURO-FUZZY COMPUTING TECHNIQUE Morteza Osanloo - Amirkabir University of Technology, Iran
09:45 - 10:00	ASSESSMENT OF SEISMIC HAZARD IN RELATION TO ROCK-BURST PREVENTION MODIFICATIONS (KGHM POLISH COPPER JSC POLKOWICE-SIEROSZOWICE MINE) Anna Barbara Gogolewska - Wrocław University of Science and Technology, Poland

10:00 - 10:15	MODELING OF AERODYNAMIC PROCESS FOR COAL WASTE DUMP LOCATED IN GEODYNAMICALLY DANGEROUS ZONE Andrian Batugin - National University of Science and Technology «MISiS», Russia
10:15 - 10:30	TO THE RE-USING OF DATA ON ROCKBURSTS FOR UP TO DATE RESEARCH OF THE MINING SEISMICITY PROBLEM Andrian Batugin - National University of Science and Technology «MISiS», Russia
10:30 - 10:45	Coffee Break
10:45 - 11:00	NUMERICAL SIMULATION APPLIED IN IDENTIFICATION OF ROOF BED SEPARATION FOR MINING THICK COAL SEAM UNDER NAPPE STRUCTURE Herong Gui - Suzhou University, China
11:00 - 11:15	THE EFFECT OF SAMPLE DIMENSION ON THREE AND FOUR POINTS BENDING TESTS OF FINE CRYSTALLINE MARBLE AND ITS RELATIONSHIP WITH DIRECT TENSILE STRENGTH Servet Demirdag - Süleyman Demirel University, Turkey
11:15 - 11:30	DETERMINATION OF THE DIRECT TENSILE STRENGTH OF GRANITE ROCK BY USING A NEW DUMBBELL SHAPE AND ITS RELATIONSHIP WITH BRAZILIAN TENSILE STRENGTH Servet Demirdag - Süleyman Demirel University, Turkey
11:30 - 11:45	CUT-OFF GRADE OPTIMIZATION FOR BAUXITE ORE SELECTION FROM MULTIPLE PITS Mehdi Rahmanpour - Amirkabir University of Technology, Iran
11:45 - 12:00	THE QUANTITATIVE IMPACTS OF ROYALTIES ON A SUSTAINABLE MINE PLAN Mehdi Rahmanpour - Amirkabir University of Technology, Iran
12:00 - 13:00	Lunch Break
SESSION: Geophysics & Seismology <i>Chairmen: Maria Rosa Duque, Young-Fo Chang</i>	
13:00 - 13:15	SHAKE MAPS GENERATION FOR DELHI REGION USING TWO DIFFERENT ALGORITHMS Himanshu Mittal - National Taiwan University, Taiwan
13:15 - 13:30	IMPROVING RIGIDITY OF CLAY BY USING EXPLOSIVES AND PROOFING BY MULTICHANNEL ANALYSIS OF SURFACE WAVES (MASW) Jasmin Jug - University of Zagreb, Croatia
13:30 - 13:45	CRUSTAL ATTENUATION CHARACTERISTICS IN BISHKEK GEODYNAMIC PROVING GROUND (THE NORTH TIEN-SHAN) Naylya Sycheva - Research Station RAS, Kyrgyzstan
13:45 - 14:00	MODELING TSUNAMIS FOR THE BLACK SEA SHABLA AREA, USING TRIDEC CLOUD SOFTWARE Raluca Partheniu - National Institute for Earth Physics, Romania
14:00 - 14:15	GIS-BASED ASSESSMENT OF SOIL CLASSIFICATION CONSIDERING SEISMIC SITE EFFECTS IN MALATYA, TURKEY Nurullah Akbulut - Hasan Kalyoncu University, Turkey
14:15 - 14:30	Coffee Break
14:30 - 14:45	SPEAKING ABOUT HEAT FLOW, ICE FUSION AND TEMPERATURE ALTERATIONS Maria Rosa Duque - Universidade de Évora, Portugal
14:45 - 15:00	USE OF NON-DESTRUCTIVE METHODS IN STRUCTURAL ANALYSIS OF PETROUS MATERIALS - ULTRASONIC TESTING AND GROUND PENETRATING RADAR (GPR) João Duarte - Praceta Alberto Oliveira, Portugal
15:00 - 15:15	A STUDY OF ANISOTROPIC CROSSHOLE SEISMIC TOMOGRAPHY BY PHYSICAL MODELING Young-Fo Chang - National Chung Cheng University, Taiwan
END OF ORAL SESSIONS	

**Oral Sessions**  
**5 September, 2018 - Wednesday**

<b>HALL - PRAGUE</b>	
<b>SESSION: Geodesy, Photogrammetry &amp; Cartography - Informatics, Geoinformatics &amp; Remote Sensing - I</b>	
<i>Chairmen: Gergana Antova</i>	
09:15 - 09:30	QUALITY EVALUATION OF THE EARTH'S CRUST HEIGHT MOVEMENT KINEMATIC MODEL IN THE NORTHERN PART OF REPUBLIC OF CROATIA Marko Radanovic - University of Zagreb, Croatia
09:30 - 09:45	SIMULATION OF AN ALTERNATIVE REALISATION OF THE CROATIAN HEIGHT REFERENCE SYSTEM Ivan Razumovic - University of Zagreb, Croatia
09:45 - 10:00	VISUAL ANALYTICS OF FOREST AND OTHER ROADS DENSITY Robert Župan - University of Zagreb, Croatia
10:00 - 10:15	NECESSITY OF 3D CADASTRE AND POSSIBLE CASES Christina Mickrenska Cherneva - University of Architecture, Civil Engineering and Geodesy, Bulgaria
10:15 - 10:30	THE EFFECT OF TEMPERATURE CHANGES ON VERTICAL DEFLECTIONS OF METAL RAIL BRIDGE CONSTRUCTIONS DETERMINED BY THE GROUND BASED RADAR INTERFEROMETRY METHOD Milan Talich - Czech Academy of Sciences, Czech Republic
10:30 - 10:45	<b>Coffee Break</b>
<b>SESSION: Geodesy, Photogrammetry &amp; Cartography - Informatics, Geoinformatics &amp; Remote Sensing - II</b>	
<i>Chairmen: Christina Mickrenska-Cherneva, Robert Župan</i>	
10:45 - 11:00	ACCURACY OF GEOPOTENTIAL MODELS USED IN SMARTPHONE POSITIONING IN THE TERRITORY OF POLAND Pawel S. Dabrowski - Gdynia Maritime University, Poland
11:00 - 11:15	APPLICATION OF AREAL CHANGE DETECTION METHODS FOR POINT CLOUD DATA Gergana Antova - University of Architecture, Civil Engineering and Geodesy, Bulgaria
11:15 - 11:30	VISUALIZATION OF SPATIO-TEMPORAL BUILDING CHANGES USING 3D WEB GIS Tomasz Templin - University of Warmia and Mazury in Olsztyn, Poland
11:30 - 11:45	MONITORING OF BALCOVA LANDSLIDE TRIGGERED FROM IZMIR FAULT Oguz Yasin Özsoy - Dokuz Eylül University, Turkey
11:45 - 12:00	EPM FOR SOIL LOSS ESTIMATION IN DIFFERENT GEOMORPHOLOGIC CONDITIONS AND DATA CONVERSION BY USING GIS Mohamed Elhag - King Abdulaziz University, Saudi Arabia
12:00 - 13:00	<b>Lunch Break</b>
<b>SESSION: Geochemistry, Mineralogy, Petrology &amp; Volcanology - Stratigraphy, Sedimentology &amp; Palaeontology</b>	
<i>Chairmen: Cigdem Sahin Demir</i>	
13:00 - 13:15	PETROGRAPHY AND GEOCHEMISTRY OF JURASSIC SANDSTONES IN THE SAKARYA ZONE, NW TURKEY: IMPLICATIONS FOR PROVENANCE, TECTONIC SETTING AND SOURCE WEATHERING Fırat Şengün - Çanakkale Onsekiz Mart University, Turkey
13:15 - 13:30	MINERALOGICAL COMPOSITION OF PERIDOTITES AND CHROMITITES IN THE SORKHBAND ULTRAMAFIC COMPLEX, SOUTHEASTERN KERMAN, IRAN: IMPLICATIONS FOR THEIR ORIGIN AND TECTONIC SETTING Ali Reza Najafzadeh - Payame Noor University, Iran
13:30 - 13:45	QUARTZ-HOSTED FLUID INCLUSIONS FROM THE CHODARCHAY PORPHYRY-EPITHERMAL DEPOSIT, NORTHWESTERN IRAN Majid Ghaderi - Tarbiat Modares University, Iran

13:45 - 14:00	GEOCHEMISTRY OF METACHERTS ASSOCIATED WITH CONTINENTAL MARGIN VOLCANIC SEAMOUNT HYDROTHERMAL ACTIVITY: SUB-SEMAIL METAMORPHIC SOLE, NE UNITED ARAB EMIRATES Abdel-Rahman Fowler - United Arab Emirates University, UAE
14:00 - 14:15	MOBILE FORMS OF GOLD AND PATHFINDER ELEMENTS IN PODZOL SOIL AND MORaine AT NOVYE PESKI GOLD DEPOSIT AND PILOLA PROSPRCTING AREA (KARELIA REGION) Vera Korshunova - St.-Petersburg State University, Russia
14:15 - 14:30	Coffee Break
<b>SESSION: Geochemistry, Mineralogy, Petrology &amp; Volcanology - Stratigraphy, Sedimentology &amp; Palaeontology - II</b> <i>Chairmen: Marian Marschalko</i>	
14:30 - 14:45	PETROLOGIC EVOLUTION OF SUBALKALINE BASALTIC VOLCANISM IN THE EAST OF LAKE VAN, EAST ANATOLIA, TURKEY Vural Oyan - Van Yüzüncü Yil University, Turkey
14:45 - 15:00	MANTLE SOURCE OF BASANITIC LAVAS IN SOUTHERN TURKEY: PHLOGOPITE BEARING GARNET PERIDOTITE SOURCE Vural Oyan - Van Yüzüncü Yil University, Turkey
15:00 - 15:15	SISORTA (KOYULHISAR - SIVAS, TURKEY) PROSPECT: AN EXAMPLE FOR HIGH SULFIDATION EPITHERMAL GOLD DEPOSIT Cigdem Sahin Demir - Cumhuriyet University, Turkey
15:15 - 15:30	CONODONT BIOSTRATIGRAPHY AND DEPOSITIONAL ENVIRONMENTS OF THE UPPERMOST VISEAN-LOWER SERPUKHOVIAN UNITS FROM THE CENTRAL TAURIDES (BADEMLI REGION) Ayse Atakul Ozdemir - Van Yüzüncü Yil University, Turkey
15:30 - 15:45	LATE CAPITANIAN FORAMINIFERS IN SOUTHEASTERN ANATOLIA, TURKEY Ayse Atakul Ozdemir - Van Yüzüncü Yil University, Turkey
15:45 - 16:00	IS IT POSSIBLE THAT HIGH-GRADE BAUXITE DEPOSITS FORM IN MECHANICAL SEDIMENTOGENESIS? Marina Makarova - Lomonosov Moscow State University, Russia
16:00 - 16:15	MICROFACIES ANALYSIS AND SEQUENCE STRATIGRAPHY OF THE MIDDLE PERMIAN YAMANYURT FORMATION, EASTERN LAKE VAN, TURKEY Ayse Atakul Ozdemir - Van Yüzüncü Yil University, Turkey
<b>END OF ORAL SESSIONS</b>	

#### **HALL – STOCKHOLM**

**SESSION: Oil, Gas & Coal - I**

*Chairmen: Orhan Kavak*

09:00 - 09:15	RESERVOIR ROCK GENETIC TYPES USING LOG CURVE SHAPES: ABU-MADI FORMATION, OFF SHORE NILE DELTA- BALTIM GAS FIELD, EGYPT Abdel Muktader A. El Sayed - Ain Shams University, Egypt
09:15 - 09:30	EFFECT OF FLUID SATURATION ON ACOUSTIC WAVE VELOCITY FOR SANDSTONE RESERVOIRS Abdel Muktader A. El Sayed - Ain Shams University, Egypt
09:30 - 09:45	SOURCE ROCK CHARACTERISTICS, DEPOSITIONAL SETTING AND HYDROCARBON GENERATION POTENTIAL OF UPPER MIOCENE COAL BEARING UNIT FROM PARÇIKAN FORMATION, MALATYA BASIN, TURKEY Nazan Yalcin Erik - Cumhuriyet University, Turkey
09:45 - 10:00	HYDROCARBON SOURCE ROCK CHARACTERISTICS OF CARBONIFEROUS-TRIASSIC UNITS OF SW KONYA AREA, CENTRAL TAURUS REGION, TURKEY Nazan Yalcin Erik - Cumhuriyet University, Turkey

10:00 - 10:15	THE COALIFICATION PROCESS AND USE OF SATURATE BIOMARKER DATA IN THE DETERMINATION OF PALEOENVIRONMENTAL FEATURES; YENIÇUBUK- GEMEREK COALS (SIVAS-TURKEY) Nazan Yalcin Erik - Cumhuriyet University, Turkey
10:15 - 10:30	DETERMINATION OF EFFECTIVE PARAMETERS ON GAS INJECTION IN NATURALLY FRACTURED RESERVOIRS BY COMBINATION OF RESERVOIR SIMULATION AND DESIGN OF EXPERIMENT TECHNIQUES Siyamak Moradi - Petroleum University of Technology, Iran
10:30 - 10:45	Coffee Break
SESSION: Oil, Gas & Coal - II <i>Chairmen: Marian Drusa</i>	
10:45 - 11:00	APPLICATION OF NATURAL SURFACTANTS FOR ENHANCED OIL RECOVERY – CRITICAL REVIEW Siyamak Moradi - Petroleum University of Technology, Iran
11:00 - 11:15	ASSESSMENT OF DIYARBAKIR (SE ANATOLIA OF TURKEY) AND ITS SURROUNDINGS IN TERMS OF SHALE GAS POTENTIAL Orhan Kavak - Dicle University, Turkey
11:15 - 11:30	ENVIRONMENTAL EFFECTS OF PETROLEUM LEAKS AROUND DIYARBAKIR CITY (SE ANATOLIA OF TURKEY) AND ITS ENVIRONMENT Orhan Kavak - Dicle University, Turkey
11:30 - 11:45	PETROGRAPHIC AND CHEMICAL PROPERTIES OF MUS COALS Orhan Kavak - Dicle University, Turkey
11:45 - 12:00	THE EVALUATION OF OIL FIELDS IN AND AROUND DIYARBAKIR IN TERMS OF PRODUCTION Orhan Kavak - Dicle University, Turkey
12:00 - 13:00	Lunch Break
SESSION: Oil, Gas & Coal - III <i>Chairmen: Abdel Moktader A. El Sayed</i>	
13:00 - 13:15	PROPERTIES OF SIRNAK ASPHALTITES IN SOUTHEASTERN ANATOLIA Orhan Kavak - Dicle University, Turkey
13:15 - 13:30	CHEMICAL PREVENTION OF ASPHALTENE FLOCCULATION IN OIL PRODUCTION SYSTEM Kheira Gharbi - Université M'Hamed Bougara de Boumerdes, Algérie
13:30 - 13:45	INHIBITION OF WAX DEPOSITION IN CRUDE OIL OF HAOUD BERKAOUI Chahrazed Benamara - Université M'Hamed Bougara de Boumerdes, Algérie
13:45 - 14:00	IMPROVEMENT OF RELATIVE PERMEABILITY AND WETTING CONDITION OF SANDSTONE BY LOW SALINITY WATERFLOODING Falan Srisuriyachai - Chulalongkorn University, Thailand
14:00 - 14:15	ESTIMATION OF SUSPENDED SEDIMENT YIELD IN THE CHERF CATCHMENT, ALGERIA Khanchoul Kamel - Badji Mokhtar University-Annaba, Algeria
14:15 - 14:30	SOIL LOSS AND SEDIMENT YIELD MODELLING FOR JEQUETEPEQUE BASIN AND ASSESSMENT OF DAM SEDIMENTATION IN PERU Julio Montenegro Gambini - National University of Engineering (UNI), Peru
END OF ORAL SESSIONS	

#### HALL – ZURICH

##### SESSION: Hydro-Hydrogeological Sciences - I

*Chairmen: Paulo Eduardo Maia Carvalho*

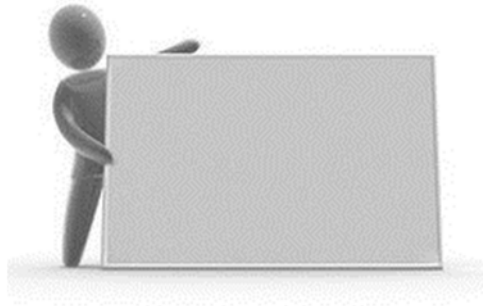
09:15 - 09:30	AN OVERVIEW ON THE URANIUM-235, URANIUM-238 AND RADON-222 DISTRIBUTION IN GROUNDWATER IN THE SOUTH-EASTERN ARABIAN PENINSULA Dalal Alshamsi - United Arab Emirates University, United Arab Emirates
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09:30 - 09:45	A 3-D NUMERICAL DAM-BREAK WAVE MODEL BASED ON SMOOTHED PARTICLE HYDRODYNAMICS METHOD Sergey Buruchenko - South Ural State University , Russia
09:45 - 10:00	MODELLING MULTI-PHASE LIQUID-SEDIMENT FLOWS USING SMOOTHED PARTICLE HYDRODYNAMICS DUALSPHYSICS CODE Sergey Buruchenko - South Ural State University , Russia
10:00 - 10:15	PROPOSAL OF PREVENTION MEASURES AGAINST DROUGHT IN URBAN AREAS Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia
10:15 - 10:30	POSSIBILITIES OF DESIGN OF FLOOD PROTECTION MEASURES IN URBAN AREAS Andrej Šoltész - Slovak University of Technology in Bratislava, Slovakia
10:30 - 10:45	Coffee Break
10:45 - 11:00	HYDROGEOLOGICAL CONCEPTUAL MODELLING OF GEOTHERMAL WATERS IN PAMUKKALE, WESTERN ANATOLIA, TURKEY Nevzat Özgür - Suleyman Demirel University, Turkey
11:00 - 11:15	HISTORY AND PRESERVATION OF TRAVERTINE DEPOSITS IN PAMUKKALE, WESTERN ANATOLIA, TURKEY Nevzat Özgür - Suleyman Demirel University, Turkey
11:15 - 11:30	HYDROGEOLOGICAL MODELLING OF GEOTHERMAL WATERS IN URGANLI AND ENVIRONS, WESTERN ANATOLIA, TURKEY Nevzat Özgür - Suleyman Demirel University, Turkey
11:30 - 11:45	HYDROGEOLOGICAL MODELLING OF GEOTHERMAL WATERS IN ÇESME AND ENVIRONS, WESTERN ANATOLIA, TURKEY Saliha Degirmenci - Suleyman Demirel University, Turkey
11:45 - 12:00	ANALYTICAL SOLUTION OF THE ADVECTION- DISPERSION EQUATION USING ASSYMETRICAL POLLUTION DISTRIBUTION Marek Sokác - Slovak University of Technology, Slovakia
12:00 - 13:00	Lunch Break
SESSION: Hydro-Hydrogeological Sciences - II <i>Chairmen: Nevzat Özgür</i>	
13:00 - 13:15	NUMERICAL MODELLING ELEMENTS AS CONTRIBUTION TO THE KNOWLEDGE OF THE GEOHYDRAULIC MODEL OF THE SULPHUROUS GROUNDWATERS OF THE DÃO RIVER BASIN, IN PORTUGAL Teresa Catarina Gomes da Costa - University of Beira Interior, Portugal
13:15 - 13:30	OPTIMAL FLUORIDE CONTENT IN DRINKING WATER AS A FUNCTION OF CALCIUM CONCENTRATION Kaire Veeperv - University of Tartu, Estonia
13:30 - 13:45	HYDROGEOCHEMICAL STUDIES OF A GROUNDWATER WITH A VIEW TO ITS CLASSIFICATION AS MINERAL WATER FOR A NEW MEDICAL SPA IN PORTUGAL Paulo Eduardo Maia Carvalho - Universidade da Beira Interior, Portugal
13:45 - 14:00	CHARACTERIZATION OF THE SPATIAL STRUCTURE OF PRECIPITATION THROUGH THE USE OF 'SPATIAL MOMENTS' IN A TROPICAL BASIN: CASE STUDY OF SUAREZ RIVER BASIN Blanca Botero - University of Medellín, Colombia
14:00 - 14:15	A NEW THERMAL MINERAL WATER FROM ÁGUAS (PENAMACOR, CENTRAL PORTUGAL): HYDROGEOCHEMISTRY AND THERAPEUTIC INDICATIONS Margarida Antunes - University of Minho, Portugal
14:15 - 14:30	Coffee Break
SESSION: Modelling and Soft Computing Techniques in Earth Sciences - Natural Hazards <i>Chairmen: Antonio Pasculli</i>	
14:30 - 14:45	COMPARISON OF COMPUTER PROGNOSSES GIVEN IN 1997 WITH THE REAL SANITATION RESULTS FOR THE ILUKSTE OIL PUMPING STATION, LATVIA Aivars Spalvins - Riga Technical University, Latvia



14:45 - 15:00	PARAMETRIC STUDY OF AN ALPINE WET DEBRIS FLOW EVENT (NOVALESA, TORINO, ITALY) APPLYING THE FINITE VOLUME METHOD (FVM): COMPARISON WITH AVAILABLE EXPERIMENTAL DATA Antonio Pasculli - University of G. D'Annunzio, Italy
15:00 - 15:15	PROGRAM SUPPORTING THE ASSESSMENT OF OCCUPATIONAL RISK - HARMFUL FACTORS Piotr Mocek - Silesian University of Technology, Poland
15:15 - 15:30	EARTH MORPHOGENESIS: SIGNS AND INTERPRETATIONS Thomas Pepino - Politecnico di Torino, Italy
15:30 - 15:45	HYDROLOGICAL CONTEXT DURING THE COASTAL EL NINO PHENOMENON 2016-2017 AND IMPACTS ON PERUVIAN INFRASTRUCTURE Julio Montenegro Gambini - National University of Engineering (UNI), Peru
15:45 - 16:00	NEWSPAPERS AND GIS FOR FLASH FLOODS: CASE OF FUJARIAH, UAEM M. Yagoub - UAE University, United Arab Emirates
	<b>END OF ORAL SESSIONS</b>

# Poster Program



**Poster Sessions  
3 September, 2018 - Monday**



Stand No 1: Moussa Sadaoui - Université M'Hamed Bougara de Boumerdes, Algérie  
STRUCTURAL EVOLUTION OF THE MIDDLE ZONE BETWEEN THE VAULT OF MEHAREZ AND  
DEPRESSION OF ABADLA DURING THE PALEOZOIC. BECHAR REGION. SAHARIAN PLATE FORM

Stand No 2: Moussa Sadaoui - Université M'Hamed Bougara de Boumerdes, Algérie  
CONTRIBUTION OF REMONTE SENSING FOR GEOLOGICAL STUDY OF THE SOUTH – EAST OF  
CONSTANTINE BASIN, NORTH OF THE ALGERIA

Stand No 3: Piotr Nowotarski - Poznan University of Technology, Poland  
DMAIC METHOD IN QUALITY IMPROVEMENT OF GROUND WORKS PROCESSES - CASE STUDY

Stand No 4: Tomasz Godlewski - Building Research Institute (ITB), Poland  
DETERMINATION OF SOIL STIFFNESS PARAMETERS FOR POZNAN FORMATION CLAYS AS A  
CONSTRUCTION SUBSOIL FOR WARSAW UNDERGROUND

Stand No 5: Eugeniusz Sawicki - Politechnika Wroclawska, Poland  
USING A HYDRAULIC CONDUCTIVITY APPARATUS FOR DETERMINATION OF THE PERMEABILITY  
OF LOW PERMEABLE SOILS ON THE EXAMPLE OF CLAY FROM KLESZCZOW

Stand No 6: Derya Toksoz - Cumhuriyet University, Turkey  
A STUDY ON THE PERFORMANCE OF LIME COLUMN TECHNIQUE FOR TREATMENT OF A NA-  
BENTONITE CLAY

Stand No 7: Abderrazak Saadoun - University of Bejaia, Algeria  
NUMERICAL MODELLING OF THE REINFORCEMENT OF THE TUNNEL FACE BY FINITE ELEMENT  
METHOD

Stand No 8: Djamel Eddine Boudjellal - Badji Mokhtar University-Annaba, Algeria  
STUDY OF THE INTERACTION OF THEROCK MASSIVE-SUPPORTING COUPLE OF A TUNNEL BY  
THE CONVERGENCE-CONFINEMENT METHOD: CASE OF ALGIERS METRO

Stand No 9: Ivan Slávik - Slovak University of Technology, Slovak Republic  
INTENSIFICATION OF THE ASH IMPOUNDMENT AND ITS STABILITY ANALYSIS

Stand No 10: Ivan Slávik - Slovak University of Technology, Slovak Republic  
ANALYSIS OF SOIL SUSCEPTIBILITY TO INTERNAL SUFFUSION IN SELECTED SITES FOR  
IMPOUNDMENT OBJECTS

Stand No 11: Zenon Szypcio - Bialystok University of Technology, Poland  
STRESS – DILATANCY OF SANDS WITH INHERENT FABRIC ANISOTROPY FOR DIRECT SHEAR

Stand No 12: Katarzyna Dolzyk-Szypcio - Bialystok University of Technology, Poland  
STRESS – DILATANCY OF ROUNDED AND ANGULAR ROCKFILL MATERIALS

Stand No 13: Maria Budikina - North-Eastern Federal University, Russia  
TECHNOLOGY AND THE THERMOMECHANICAL CONDITIONS OF EXPLOITATION OF DEPOSITS  
OF PERMAFROST ZONE

Stand No 14: Monika Bartlewska-Urban - Wroclaw University of Science and Technology, Poland  
NUMERICAL PROBLEM OF THERMO-CONSOLIDATION OF POROUS MEDIA WITH RHEOLOGICAL  
SKELETON WITH THE VARIABLE AMBIENT TEMPERATURE

Stand No 15: Monika Bartlewska-Urban - Wroclaw University of Science and Technology, Poland  
CONSTITUTIVE RELATIONS FOR THE THERMOVISCOELASTICITY OF A DIPHASE MEDIUM WITH A  
KELVIN-VOIGT RHEOLOGICAL SKELETON

Stand No 16: Justina Vitkova - Slovak Academy of Sciences, Slovakia  
THE INFLUENCE OF THE INFILTRATION DISK RADIUS ON DETERMINATION OF UNSATURATED  
HYDRAULIC CONDUCTIVITY OF NON-STRUCTURAL SANDY SOIL

Stand No 17: Justina Vitkova - Slovak Academy of Sciences, Slovakia  
SOIL WATER REGIME EVALUATION AFTER BIOCHAR AMENDMENT

Stand No 18: Mohamed Elhag - King Abdulaziz University Jeddah, Saudi Arabia  
INTEGRATION OF REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEMS IN  
GEOLOGICAL FAULTS DETECTION IN CRETE ISLAND, GREECE

Stand No 19: I. Feda Aral – Namik Kemal University, Turkey  
INVESTIGATION OF PROPERTIES OF WASTE STONE POWDER COATED MORTARS UNDER  
FREEZING-THAWING EFFECT

Stand No 17: Sergey Buruchenko - South Ural State University, Russia  
VALIDATION SMOOTHED PARTICLE HYDRODYNAMICS METHOD FOR FLUID DYNAMICS  
PHENOMENA

Stand No 18: Dalibor Bartonek - Brno University of Technology, Czech Republic  
GEODETIC SIGNS OF THE RECENT KINEMATICAL AND GEODYNAMICAL DEFORMATION OF THE  
CARPATHIAN ARC

Stand No 19: Martin Hejl - Brno University of Technology, Czech Republic  
IMPACT ON THE TOTAL COSTS AND CONSTRUCTION PERIOD OF RESIDENTIAL BUILDINGS IN  
PRAGUE



**3 September, 2018 – Afternoon  
14.30 -16.00**

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Stand No 1: Hatice Betül Umarusman - University of Karabük, Turkey  
THE COMPUTATION OF DISCHARGE CAPACITY IN COMPOUND CHANNELS

Stand No 2: Rute Pedro - University of Coimbra, Portugal  
SURFACE WATER QUALITY IN A CONTRASTED LAND USE RIVER CATCHMENT

Stand No 3: Ana Castilho - University of Coimbra, Portugal  
POST-FIRE WATER QUALITY ASSESSMENT IN A PORTUGUESE WETLAND

Stand No 4: Tulay Ekemen Keskin - University of Karabük, Turkey  
MODELING OF BASINS USING DIFFERENT MAPS AND FLOOD DISCHARGE ESTIMATES WITH DSI  
SYNTHETIC (SUPERPOSITION) METHOD

Stand No 5: Veronika Bacová Mitkova - Institute of Hydrology SAS, Slovakia  
ANALYSIS OF THE JOINT IMPACT OF SYNCHRONOUS DISCHARGES IN ESTIMATING THE FLOOD  
RISK: CASE STUDY ON HRON RIVER

Stand No 6: Pavla Pekárová - Institute of Hydrology SAS, Slovakia  
STATISTICAL ANALYSIS OF HYDROLOGICAL REGIME OF THE DANUBE RIVER AT CEATAL IZMAIL  
STATION

Stand No 7: Pawel Terefenko - University of Szczecin, Poland  
CHARACTERISTIC OF WINTER STORM XAVIER AND EXAMPLE OF ITS EFFECT ON POLISH COAST  
IN THE LIGHT OF FOLLOWING SMALLER STORM EVENTS

Stand No 8: Ioannis Koukouvelas - University of Patras, Greece  
EVOLUTION OF ROCK FALLS BEFORE AND AFTER THE 2008 MOVRI EARTHQUAKE (ILIA,  
GREECE)

Stand No 9: Ioannis Koukouvelas - University of Patras, Greece  
STREAM DEFLECTION IN THE SOUTHWEST COAST OF THE GULF OF CORINTH (GREECE):  
IMPLICATION FOR ACTIVE FAULT'S PROPAGATION

Stand No 10: Ioannis Koukouvelas - University of Patras, Greece  
ROCKFALL SITES BOUNDED BY ACTIVE FAULTS IN THE WESTERN PART OF THE GULF OF  
CORINTH: THE EXAMPLE OF MAMOUSSIA AREA (GREECE)

Stand No 11: Marius Mantulescu - Transylvania University of Brasov, Romania  
FRIENDLY ENVIRONMENT SOLUTION FOR A SUFFUSION CASE

Stand No 12: Claudiu-Sorin Dragomir - National Institute for Research and Development URBAN-INCERC,  
Romania  
PROSPECTIVE STUDIES FOR THE IMPLEMENTATION OF A REMOTE ACCESS EARTHQUAKE  
DAMAGE DETECTION SYSTEM FOR HIGH-RISE BUILDINGS IN ROMANIA

Stand No 13: Kamil Michalik - University of Warsaw, Poland  
LANDSIDE SUSCEPTIBILITY ALONG IMPORTANT COMMUNICATION ARTERIES IN EUROPE – AN  
EXEMPLE OF SECTION OF THE EUROPEAN ROAD E371: (DOMARADZ-ISKRZYNIA,  
PODKARPACKIE VOIVODESHIP)

Stand No 14: Anna Szafarczyk - AGH University of Science and Technology, Poland  
STAGES OF GEOLOGICAL DOCUMENTATION ON THE EXAMPLE OF LANDSLIDES LOCATED ON  
THE SLOPES OF THE DAM RESERVOIR "SWINNA POREBA" (POLAND)

Stand No 15: Abdel Mektader A. El sayed - Ain Shams University, Egypt  
HYDRAULIC FLOW UNITS OF SOME STUDIED BAHARIYA RESERVOIRS: ABU EI GHARADIQ BASIN,  
WSTERN DESERT, EGYPT

Stand No 16: Khaled Benyounes - Université M'Hamed Bougara de Boumerdes, Algérie  
ANALYSIS OF PRESSURE DECLINE DURING THE MINI-FRAC TEST IN A GAS RESERVOIR BY THE  
NOLTE METHOD

Stand No 17: Firat Şengün - Çanakkale Onsekiz Mart University, Turkey  
TITANIUM THERMOMETER AND TRACE ELEMENT COMPOSITION OF RUTILE IN METAOPHIOLITIC  
ROCKS FROM THE KAZDAĞ MASSIF, BIĞA PENINSULA, NW TURKEY

Stand No 18: Nacera Hadj Mohamed - University Djillali Bounama, Algeria  
GEOLOGY AND GEOCHEMISTRY OF BENI SNOUSS BARITE DEPOSIT, NW ALGERIA

Stand No 19: Natalia Migdisova - Russian Academy of Sciences, Russian Federation  
CONDITIONS OF GAUSSBERG OLIVINE LEUCITITES FORMING ACCORDING TO THE  
COMPOSITIONS OF MAIN MINERAL PHASES (E. ANTARCTICA)

Stand No 20: Bahaa Eldin Mahmoud Amin - UAE University, United Arab Emirates  
PETROCHEMICAL STUDIES OF AMPHIBOLITES ROCKS AT MASAFI-ASIMAH WINDOW, MASAFI  
AREA, UAE

Stand No 21: Hüseyin Karaca - Inonu University, Turkey  
ELEMENTAL ANALYSIS AND CALORIFIC VALUES OF ELBISTAN LIGNITE AND LIQUEFACTION  
PRODUCTS

Stand No 22: Cemil Koyunoglu - Istanbul Technical University, Istanbul  
THE EFFECT OF COLEMANITE AS A CATALYST ON ELBISTAN LIGNITE LIQUEFACTION

Stand No 23: Cemil Koyunoglu - Istanbul Technical University, Istanbul  
THE CO-LIQUEFACTION OF ELBISTAN LIGNITE AND BIOMASS PART: THE EFFECT OF  
COLEMANITE AND Fe<sub>2</sub>O<sub>3</sub> CATALYST BLENDING

**Poster Sessions  
4 September, 2018 - Tuesday**





Stand No 1: M. Teresa Taboada-Castro - University of A Coruna, Spain  
BEHAVIOR OF HEAVY METALS IN THE ESTUARINE SEDIMENTS OF THE MANGUABA RIVER  
(STATE OF ALAGOAS, NORTHEAST BRAZIL)

Stand No 2: M. Teresa Taboada-Castro - University of A Coruna, Spain  
SPATIAL DISTRIBUTION OF CONVECTIVE RAINFALL IN PERNAMBUCO STATE - BRAZIL

Stand No 3: M. Teresa Taboada-Castro - University of A Coruna, Spain  
THE INFLUENCE OF SOME SOIL CONSTITUENTS ON THE TOTAL COPPER AND ZINC  
CONCENTRATIONS IN THE SOIL SURFACE LAYER OF ACIDIC SOILS

Stand No 4: Enjôlras de Albuquerque Medeiros Lima - Geological Survey of Brazil, Brazil  
MAIN ENVIRONMENTAL RESULTS OF GEOCHEMICAL MAPPING IN SOILS OF FERNANDO DE  
NORONHA ARCHIPELAGO, BRAZIL

Stand No 5: Enjôlras de Albuquerque Medeiros Lima - Geological Survey of Brazil, Brazil  
COMPARISON OF INTERPOLATION METHODS FOR RAINFALL MAPPING TAKING THE  
PERNAMBUCO STATE (BRAZIL) AS A CASE STUDY

Stand No 6: Enjôlras de Albuquerque Medeiros Lima - Geological Survey of Brazil, Brazil  
EXPLORATORY ANALYSIS OF THE GROUNDWATER OF THE FERNANDO DE NORONHA  
ARCHIPELAGO - PERNAMBUCO – BRAZIL

Stand No 7: M. Luz Rodríguez-Blanco - University of A Coruna, Spain  
EXPLORING THE POTENTIAL ENVIRONMENTAL AVAILABILITY OF ALUMINUM IN ACIDIC SOILS BY  
USING SEQUENTIAL EXTRACTION

Stand No 8: Francesca Micheletti - Bari University, Italy  
GEOCHEMICAL FEATURES OF MIOCENIC SANDSTONES (SOUTHERN APENNINES, ITALY)

Stand No 9: Elif Oyan - Van Yüzüncü Yil University, Turkey  
IMPORTANCE OF ASSIMILATION COMBINED WITH FRACTIONAL CRYSTALLIZATION (AFC) AND  
MAGMA MIXING PROCESSES IN THE MAGMATIC EVOLUTION OF THE PLIOCENE-QUATERNARY  
MELIKLER VOLCANISM, KARS PLATEAU, NORTHEAST ANATOLIA, TURKEY

Stand No 10: Li Liu - Jilin University, China  
VAPOSE-PHREATIC CEMENTATION IN TRIASSIC SANDSTONE, THE EASTERN MARGIN OF THE  
ORSOS BASIN, CHINA

Stand No 11: Eterpi Koskeridou - National & Kapodistrian University of Athens, Greece  
SEAGRASS-ASSOCIATED MOLLUSCAN AND FISH COMMUNITIES FROM THE EARLY  
PLEISTOCENE OF THE ISLAND OF RHODES (GREECE)

Stand No 12: Assimina Antonarakou - National & Kapodistrian University of Athens, Greece  
EVALUATING THE EFFECT OF MARINE DIAGENESIS ON LATE MIOCENE PRE-EVAPORITIC  
SEDIMENTARY SUCCESSIONS OF EASTERN MEDITERRANEAN SEA

Stand No 13: George Kontakiotis - National & Kapodistrian University of Athens, Greece  
LATITUDINAL PLANKTONIC FORAMINIFERA SHELL MASS DIFFERENCES DURING TERMINATION I

Stand No 14: Ewa Szymczak - University of Gdańsk, Poland  
DISTRIBUTION OF SUSPENDED SEDIMENT IN THE GULF OF GDANSK OFF THE VISTULA RIVER  
MOUTH (BALTIC SEA, POLAND)

Stand No 15: Dana Pavelková - Slovak Academy of Sciences in Bratislava, Slovakia  
THE EFFECT OF DIFFUSION ON THE SEDIMENTATION RATE OF SOIL MICROPARTICLES



**4 September, 2018 – Morning**  
**10.30 -12.00**

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Stand No 1: Süha Özden - Çanakkale Onsekiz Mart University  
GEOPHYSICAL RESEARCHES (GRAVITY AND MAGNETIC) OF THE SE ANATOLIA IN THE EASTERN  
MEDITERRANEAN REGION

Stand No 2: Süha Özden - Çanakkale Onsekiz Mart University  
SITE EFFECT ESTIMATION USING MICRITREMOR AND REMI DATA IN ANTAKYA SOIL, HATAY  
PROVINCE, SE TURKEY

Stand No 3: Raluca Partheniu - National Institute for Earth Physics, Romania  
TSUNAMI MODELING OF THE 8TH OF SEPTEMBER 2017 MEXICO M 8.1 EARTHQUAKE, USING  
TWO DIFFERENT SOFTWARE

Stand No 4: Raluca Partheniu - National Institute for Earth Physics, Romania  
GEOMAGNETIC FIELD BEHAVIOUR AT MUNTELE ROSU (ROMANIA) AND ANOMALY  
INTERPRETATION

Stand No 5: Justyna Górniak-Zimroz - Wroclaw University of Science and Technology, Poland  
DEVELOPMENT OF A GIS SYSTEM PROTOTYPE FOR SPATIOTEMPORAL ANALYSIS OF SEISMIC  
EVENTS

Stand No 6: Daniela Govoni Sotelo - Porto Alegre/RS, CEP 90619-900, Brazil  
DC RESISTIVITY METHOD FOR UNDERGROUND WATER EVALUATION IN SOUTHERN BRAZIL

Stand No 7: Maria Rosaria Costanzo - Università di Napoli Federico II, Italy  
SEISMIC EVIDENCE OF HIGH TEMPERATURE CRUSTAL MATERIAL IN THE CAMPANIA REGION  
(SOUTHERN ITALY)

Stand No 8: Cassio Moura - Porto Alegre/RS, CEP 90619-900, Brazil  
APPLICATION OF REFRACTION SEISMIC IN THE VULNERABILITY OF UNDERGROUND AQUIFERS.

Stand No 9: Daniel Papán - University of Žilina, Slovakia  
SEISMIC, PARASEISMIC AND MECHANICAL RESISTANCE EXPERIMENTAL TEST OF RZB-04-04  
COMMUNICATION DEVICE USED IN NUCLEAR POWER PLANT

Stand No 10: Viktor Tatarinov - Geophysical Center of Russian Academy of Sciences, Russia  
OBSERVATIONS BY SPACE GEODESY METHODS ON OBJECTS OF USING ATOMIC ENERGY

Stand No 11: Przemyslaw Len - University of Life Sciences, Poland  
HIERARCHIZATION OF LAND CONSOLIDATION WORKS IN THE RURAL AREAS OF CENTRAL  
POLAND

Stand No 12: Przemyslaw Len - University of Life Sciences, Poland  
ANALYSIS OF THE IMPACT OF FEATURES ON THE RANKING OF URGENCY OF LAND  
CONSOLIDATION WORKS

Stand No 13: Przemyslaw Len - University of Life Sciences, Poland  
THE APPLICATION OF TOPSIS METHOD TO HIERARCHIZATION OF LAND CONSOLIDATION  
WORKS

Stand No 14: Adam Ciecko - University of Warmia and Mazury in Olsztyn, Poland  
ANALYSIS OF THE ACCURACY AND USEFULNESS OF MEMS CHIPSETS EMBEDDED IN POPULAR  
MOBILE PHONES IN INERTIAL NAVIGATION

Stand No 15: Dariusz Popielarczyk - University of Warmia and Mazury in Olsztyn, Poland  
SUPPORTING HYDROGRAPHIC VESSEL VERTICAL MOTION DETERMINATION USING RTS  
GEODETIC SYSTEM

Stand No 16: Milan Mikoláš, Kamila Dobesova, Oskar Molinek, Jana Dibdiakova, VŠB TU Ostrava, Czech  
Republic  
ASSESSMENT OF THE USE OF SECONDARY ENERGY PRODUCTS IN THE FIELD OF  
RECLAMATION WITH ENVIRONMENTAL IMPACT

Stand No 17: Milan Mikoláš, Kamila Dobesova, Oskar Molinek, Jana Dibdiakova, VŠB TU Ostrava, Czech  
Republic  
INNOVATIVE PROCESSES IN MINING AND QUARRYING IN THE CZECH REPUBLIC

Stand No 18: Milan Mikoláš, Lukáš Žižka, Oskar Molinek, Jana Dibdiakova, VŠB TU Ostrava, Czech  
Republic  
RESEARCH ON HYDROGEOLOGICAL AND GEOLOGICAL CONDITIONS OF THE SLATINICE DUMP  
BASE



**4 September, 2018 – Afternoon**  
**13.00 -14.30**

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Stand No 1: Jacek Gniadek - University of Agriculture, Poland  
CHANGES IN THE SPATIAL STRUCTURE OF AGRICULTURAL LAND AND THEIR INFLUENCE ON  
THE RESULTS OF AGRICULTURAL PRODUCTION

Stand No 2: Justyna Górnjak-Zimroz - Wrocław University of Science and Technology, Poland  
TOURIST ATTRACTIVENESS ANALYSIS OF OLD CONSTRUCTION-MINING OBJECTS IN LOWER  
SILESIA

Stand No 3: Antonino Fotia - Mediterranea University of Reggio Calabria, Italy  
INTEGRATION OF 3D MODEL FROM UAV SURVEY IN BIM ENVIRONMENT

Stand No 4: Antonino Fotia - Mediterranea University of Reggio Calabria, Italy  
SOFT COMPUTING TECHNIQUES AND GPS NETWORKS TO MONITOR AND CONTROL ACTIVE  
FAULT

Stand No 5: Hong-Joo Yoon - Pukyong National University, Republic of Korea  
DETECTION TECHNIQUE FOR COCHLODINIUM POLYKRIKOIDES RED TIDE USING GOCI LEVEL 2  
DATA AND MACHINE LEARNING

Stand No 6: Hong-Joo Yoon - Pukyong National University, Republic of Korea  
COMPARATIVE STUDY OF SATELLITE IMAGES AND UAV IMAGES FOR SPATIAL RESOLUTION  
RESAMPLING

Stand No 7: Katarzyna Adamek - AGH University of Science and Technology, Poland  
ALGORITHM FOR AUTOMATIC PATH ROUTING IN MOUNTAIN AREAS

Stand No 8: Jacek Gniadek - University of Agriculture, Poland  
INNOVATIVENESS OF MAKING SPATIAL DATA AVAILABLE AS AN ELEMENT OF BUILDING AN  
INFORMATION SOCIETY

Stand No 9: Ewa Glowienka - Kielce University of Technology, Poland  
THE COMPARISON OF THE WEB GIS APPLICATIONS RELEVANT FOR 4D MODELS SHARING

Stand No 10: Radouane Nekache - University of Annaba, Algeria  
MODELING AND ANALYSIS OF UNDERGROUND PILLAR STABILITY: CASE OF MINE CHAABET  
ELHAMRA, ALGERIA

Stand No 11: Andrian Batugin - National University of Science and Technology «MISiS», Russia  
APPLICATION AND DEVELOPMENT OF THE METHOD OF GEODYNAMIC ZONING ACCORDING TO  
GEODYNAMIC HAZARD FORECASTING AT COAL MINES IN CHINA

Stand No 12: Magdalena Tutak - Silesian University of Technology, Poland  
NUMERICAL RESEARCH OF OXIDATION ZONE VARIATION IN GOAF OF LONGWALLS U-TYPE  
SYSTEM FROM BORDERS AND U-TYPE SYSTEM TO THE BORDERS VENTILATED

Stand No 13: Karolina Adach-Pawelus - Wroclaw University of Science and Technology, Poland  
THE APPLICATION OF SEISMIC MONITORING AND NUMERICAL MODELING FOR THE  
ASSESSMENT OF THE POSSIBILITY OF SEISMIC EVENT OCCURRENCE IN THE VICINITY OF ORE  
REMNANT

Stand No 14: Daniel Pawelus - Wroclaw University of Science and Technology, Poland  
STABILITY ASSESSMENT OF HEADINGS SITUATED IN A FIELD OF HIGH HORIZONTAL STRESS IN  
POLISH COPPER MINES BY MEANS OF NUMERICAL METHODS

Stand No 15: Mariusz Koscielny - Wroclaw University of Science and Technology, Poland  
IDENTIFICATION OF OPERATING MODES OF LOAD-HAUL-DUMP VEHICLE IN UNDERGROUND  
COPPER ORE MINES

Stand No 16: Viktor Weis, Milan Mikoláš, Vladimír Krenžel, Jan Šebo, VŠB TU Ostrava, Czech Republic  
REHABILITATION AND RECLAMATION OF THE LOČENICE SAND PIT

Stand 17: Jan Fiala, Milan Mikoláš, Kateřina Krejsová, VŠB TU Ostrava, Czech Republic  
FULL BRICK, HISTORY AND FUTURE

Stand 18: Jan Šebor, Milan Mikoláš, Oskar Molinek, Viktor Weis, VŠB TU Ostrava, Czech Republic  
MONITORING OF QUARRY DRILL RIG COSTS AND PROPOSALS FOR THEIR REDUCTION

**Poster Sessions**  
**5 September, 2018 - Wednesday**



Stand No 1: Ján Ilavský - Slovak Technical University, Slovakia

THE SELECTED SORPTION MATERIALS FOR REMOVAL OF HEAVY METALS FROM WATER

Stand No 2: Elena De Uña-Álvarez - University of Vigo, Spain

TRACE ELEMENTS IN SEDIMENTS TRAPPED BY FLUVIAL POTHOLES IN A SMALL BEDROCK RIVER (NW SPAIN)

Stand No 3: Zbigniew Krysa - Wroclaw University of Science and Technology, Poland

APPLICATION OF COPULAS IN FORECASTING OF REAL PROPERTY PRICES

Stand No 4: Jacek Sztubecki - UTP University of Science and Technology in Bydgoszcz, Poland

ANALYSIS OF DISPLACEMENT AND DEFORMATION OF A STEEL FOOTBRIDGE

Stand No 5: Václav Venkrbec - Brno University of Technology, Czech Republic

SELECTION OF A LIFTING MECHANISM FOR A SMALL-SCALE CONSTRUCTION PROJECT: A COMPARATIVE METHOD BASED ON BUILDING VOLUME AND AN AUTOMATED SCHEDULE

Stand No 6: Patrizio Nuccio - Politecnico di Torino, Italia

WASTE HEAT RECOVERY UTILIZED FOR AN ORGANIC RANKINE CYCLE IN A STEEL HOT-FORGING INDUSTRY

Stand No 7: Daniela Šíbllová - Brno University of Technology, Czech Republic

REMOVE THE PHARMACEUTICALS FROM WATER USING SELECTED ADSORBENTS

Stand No 8: Renata Biela - Brno University of Technology, Czech Republic

USE OF SORPTION MATERIALS FOR REMOVING CADMIUM FROM WATER

Stand No 9: Despina Pentari - Technical University of Crete, Greece

CADMIUM REMOVAL FROM AQUEOUS SOLUTIONS USING NANO-IRON DOPED LIGNITE

Stand No 10: Rabah Chaouchi - F.H.C / University of Boumerdes, Algeria

TREATMENT OF WELL DAMAGE WITH DRILLING FLUID OF THE SIEGENIAN RESERVOIR (LOWER DEVONIAN), BIR BERKINE REGION, ALGERIA

Stand No 11: Rabah Chaouchi - F.H.C / University of Boumerdes, Algeria

ANALYSIS OF THE TENDANCY EVALUATION COMPLEX OF THE DIFFERENT CAMBRIAN RESERVOIR « Ra » 1A ZONE HASSI MESSAOUD FIELD, ALGERIA

Stand No 12: Abderrahmane Mellak - F.H.C / University of Boumerdes, Algeria

STUDY OF LOSS OF CIRCULATION OF DRILLING MUD: CASE STUDY HASSI-MESSAOUD FORMATION

Stand No 13: Urszula Kazmierczak - Wroclaw University of Science and Technology, Poland

FORMAL AND LEGAL REGULATIONS GOVERNING THE AWARD OF CONCESSION CONTRACTS IN POLISH OPEN CAST MINING

Stand No 14: Oimahmad Rahmonov - University of Silesia in Katowice, Poland  
RELATIONSHIP BETWEEN HEAVY-METAL CONCENTRATIONS IN JAPANESE KNOTWEED  
(REYNOUTRIA JAPONICA HOUTT.) TISSUES AND SOILS IN URBAN PARKS IN SOUTHERN POLAND

Stand No 15: Dimitra Mantzouka - National & Kapodistrian University of Athens, Greece  
PETRIFIED FOREST OF LESBOS ISLAND (GREECE): A PALAEOBOTANICAL PUZZLE OF A UNIQUE  
GEOPARK AND THE NEW DISCOVERIES



5 September, 2018 – Morning  
10.30 -12.00

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Stand No 1: Serdar Yilmaz - Zonguldak Bülent Ecevit University, Turkey  
FUZZY LOGIC APPLICATION FOR UNBURNED CARBON PREDICTION ON A SPECIFIC 55MW  
THERMAL POWER PLANT BASED ON EXPERIMENTAL CHARACTERISTICS OF COAL

Stand No 2: Serdar Yilmaz - Zonguldak Bülent Ecevit University, Turkey  
FUZZY LOGIC APPLICATION TO PREDICT SLAGGING-FOULING POTENTIAL ON A SPECIFIC 55MW  
THERMAL POWER PLANT BASED ON EXPERIMENTAL CHARACTERISTICS

Stand No 3: Mohamed Fredj - University of Bejaia, Algeria  
PREDICTION AND ANALYSIS THE RESULTS OF THE BENCH BLASTING FOR ENHANCED THE  
FRAGMENTATION OF ROCKS: CASE OF JEBEL MEDJOUNÉS QUARRY

Stand No 4: Maher J Tadros - Jordan University of Science and Technology, Jordan  
ASSESSMENT THE POTENTIAL USE OF LIME FOR OLIVE MILL WASTE WATER (OMWW)  
TREATMENT ON THE CROPS GROWTH AND DEVELOPMENT

Stand No 5: Menal Zeroual - University of Badji Mokhtar, Algeria  
CLIMATE VARIABILITY AND  
RESIDENTIAL WATER CONSUMPTION IN BEAU-SEJOUR CITY, ANNABA-ALGERIA

Stand No 6: Ece Polat - Gebze Technical University, Turkey  
DETERMINATION OF MICROPOLLUTANTS IN WASTEWATER TREATMENT PLANT SLUDGE BY LC-  
MS/MS

Stand No 7: Andrzej Jagus - University of Bielsko-Biala, Poland  
THE QUALITY OF WATER IN THE DAM RESERVOIR FUNCTIONING IN THE FOREST MOUNTAIN  
CATCHMENT

Stand No 8: Pawel Rutkiewicz - University of Silesia in Katowice, Poland  
MAIN ASSUMPTIONS AND PRELIMINARY RESULTS OF THE PROJECT – “GEOMORPHIC,  
SEDIMENTOLOGICAL AND PALAEOBOTANICAL RECORD OF ENVIRONMENTAL CHANGES, AS A  
SOURCE OF DATA FOR THE HISTORICAL RECONSTRUCTION OF THE SCARCELY RECOGNIZED  
METALLURGICAL ACTIVITY (IN THE SOUTHERN AND CENTRAL POLAND)”

Stand No 9: Bulent Içgen - Middle East Technical University, Turkey  
FUNCTION OF CONVENTIONAL WASTEWATER TREATMENT PLANT ON THE REMOVAL OF THE  
AMINOGLYCOSIDE RESISTANCE GENE



Stand No 10: Bulent Içgen - Middle East Technical University, Turkey  
EFFECT OF VOLATILE FATTY ACIDS ON METHANE PRODUCTION IN OZONE PRE-TREATED  
ANAEROBIC DIGESTERS

Stand No 11: Bulent Içgen - Middle East Technical University, Turkey  
MACROLIDE RESISTANCE DISSEMINATED VIA UNTREATED HOSPITAL EFFLUENTS

Stand No 12: Michał Łopata - University of Warmia and Mazury in Olsztyn, Poland  
EXTERNAL LOADING OF PHOSPHORUS IN DEEP, STRATIFIED LAKE AFFECTED WITH DRAINAGE  
WATER

Stand No 13: Anna Plachta - University of Warmia and Mazury in Olsztyn, Poland  
VERTICAL AND HORIZONTAL CHANGEABILITY OF CHEMICAL FEATURES OF BOTTOM SEDIMENT  
IN RIVERINE AND LACUSTRINE SECTIONS IN LAKE-RIVER SYSTEM

Stand No 14: Malgorzata Danek - AGH University of Science and Technology, Poland  
TEMPORAL VARIATIONS IN TREE-RING GROWTH RESPONSE TO CLIMATE OF EUROPEAN LARCH  
(*LARIX DECIDUA* MILL.): AN EXAMPLE FROM SUDETES, POLAND

Stand No 15: Cigdem Sahin Demir - Cumhuriyet University, Sivas  
RE-OS GEOCHRONOMETRY,  $\delta^{18}\text{O}$  QUARTZ-HEMATITE GEOTHERMOMETRY AND  $\delta^{56}\text{Fe}$  DATA OF  
IRON OXIDE FROM IRON OXIDE-GOLD DEPOSIT IN BAKIR TEPE, KANGAL-SIVAS, EAST-CENTRAL  
TURKEY

**Poster Sessions  
6 September, 2018 - Thursday**



Stand No 1: Stanislaw Bacior - Agricultural University in Cracow, Poland  
OPTIMIZATION OF THE LAYOUT OF MOTORWAY OVERPASSES ON THE EXAMPLE OF THE A4  
MOTORWAY SECTION JAZWINY – GÓRA MOTYCZNA

Stand No 2: Stanislaw Bacior - Agricultural University in Cracow, Poland  
THE ASSESSMENT OF THE IMPACT OF THE MOTORWAY ON THE AGRICULTURAL LAND ON THE  
EXAMPLE OF A4 MOTORWAY SECTION FROM WOLICA PIASKOWA TO CZARNA SEDZISZOWSKA  
WITH APPLICATION OF THE AUTHOR'S SIMPLIFIED METHOD

Stand No 3: Izabela Piech - Agricultural University in Cracow, Poland  
GENERATING OF BUILDING FACADES ORTHOPHOTOPLANS WITH UAV AND TERRESTRIAL  
PHOTOS

Stand No 4: Grzegorz Grunwald - University of Warmia and Mazury in Olsztyn, Poland  
ANALYSIS OF APPLYING THE EGNOS SYSTEM IN APV-1 AND LPV-200 OPERATIONS

Stand No 5: Justyna Sobczak-Piastka - UTP University of Science and Technology in Bydgoszcz, Poland  
EXPERIMENTAL RESEARCH OF NON-AUTOCLAVED FOAM CONCRETE WITH THE  
UNCONVENTIONAL REINFORCEMENT

Stand No 6: Miroslaw Bajda - Wroclaw University of Science and Technology, Poland  
INFLUENCE OF NATURAL AGING PROCESSES IN STEEL CORD CONVEYOR BELT ON ADHESION  
BETWEEN CORE AND COVERS

Stand No 7: Miroslaw Bajda - Wroclaw University of Science and Technology, Poland  
ESTIMATION OF PURCHASE AND REPLACEMENT COSTS OF CONVEYOR BELTS AND THEIR  
SPLICES IN AN UNDERGROUND MINE BASED ON THEIR DURABILITY

Stand No 8: Robert Król - Wroclaw University of Science and Technology, Poland  
GRAIN SIZE DISTRIBUTION OF COPPER ORE AS MEANS FOR QUALITATIVE EVALUATION

Stand No 9: Robert Król - Wroclaw University of Science and Technology, Poland  
GUIDELINES FOR ORE TRACKING SYSTEM IN THE COMPLEX UNDERGROUND TRANSPORTATION  
GOT FROM THE DISIRE PROJECT

Stand No 10: Malgorzata Wyganowska - Silesian University of Technology, Poland  
THE INTERNAL CLIENT AND EFFICIENCY IN THE MINING PROCESS

Stand No 11: Maria Walery - Bialystok University of Technology, Poland  
THE EFFECT OF DISCOUNT FACTOR ON THE COST OF MEDICAL WASTE MANAGEMENT SYSTEM

Stand No 12: Anna Bluszcz - Silesian University of Technology, Poland  
DECOUPLING ECONOMIC GROWTH FROM EMISSIONS IN POLAND ON THE BACKGROUND OF EU  
COUNTRIES

Stand No 13: Monika Chuchro - AGH University of Science and Technology, Poland  
SELECTION OF OPTIMAL GRIDDED DATASET FOR APPLICATION IN POLISH SUDETES  
MOUNTAINS

Stand No 14: Jacek Sztubecki - UTP University of Science and Technology in Bydgoszcz, Poland  
THE TIME VARIABLE AS A FACTOR TO DETERMINE THE ACOUSTIC CLIMATE IN THE  
RECREATION AND LEISURE AREAS

Stand No 15: Orhan Kavak - Dicle University, Turkey  
THE PROPERTIES OF THE ROCKS USED AS AGGREGATE IN DIYARBAKIR AND VICINITY

Stand No 16: Orhan Kavak - Dicle University, Turkey  
DETERMINATION OF ENVIRONMENTAL EXPOSURE TO ASBESTOS IN THE DIYARBAKIR  
SOUTHEASTERN REGION OF TURKEY

Stand No 17: Orhan Kavak - Dicle University, Turkey  
ORGANIC GEOCHEMICAL PROPERTIES OF OIL SEEPS IN THE SOUTHEASTERN ANATOLIAN  
REGION (TURKEY)



**6 September, 2018 – Morning**  
**10.30 -12.00**

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Stand No 1: Michal Novotny - Brno University of Technology, Czech Republic  
PARKING IN CITIES IN RELATION TO BUILDING REGULATIONS

Stand No 2: Anna Sikora - Rzeszow University of Technology, Poland  
EVOLUTION OF MODERNIST URBAN TYPE SETTLEMENTS - A CASE STUDY

Stand No 3: Mirosława Malinowska - University of Gdansk, Poland  
TRENDS OF CHANGES OF SELECTED CHARACTERISTICS OF PRECIPITATION IN THE CITIES  
ABOVE 100,000 RESIDENTS IN POLAND, 1966-2015

Stand No 4: Zenon Szypcio - Bialystok University of Technology, Poland  
INFLUENCE OF SOLAR ACTIVITY ON TOTAL ANNUAL PRECIPITATION IN POLAND

Stand No 5: Eva Ružinská - Institute of Technology and Business in České Budejovice, Czech Republic  
INNOVATIVE ECO-TECHNOLOGIES TO REDUCE EMISSIONS IN THE MANUFACTURING  
PROCESSES OF SPECIAL WOOD PRODUCTS

Stand No 6: Eva Ružinská - Institute of Technology and Business in České Budejovice, Czech Republic  
TECHNOLOGICAL AND PRODUCT INNOVATION IN THE MANUFACTURING PROCESS OF  
ECOLOGICALLY ACCEPTABLE LIGNOCELLULOSIC MATERIALS

Stand No 7: Eva Ružinská - Institute of Technology and Business in České Budejovice, Czech Republic  
EFFECTIVE RECOVERY OF INDUSTRIAL PULP WASTE IN THE INNOVATIVE PRODUCTION OF  
ENVIRONMENTALLY ACCEPTABLE WOOD COMPOSITES

Stand No 8: Michal Kraus - Institute of Technology and Business in České Budejovice, Czech Republic  
SEASONAL AND FLOOR VARIATIONS OF INDOOR RADON CONCENTRATION

Stand No 9: Mihai Andrei - National Institute for Earth Physics, Romania  
GEOMAGNETIC FIELD BEHAVIOUR AT MUNTELE ROSU (ROMANIA) AND ANOMALY  
INTERPRETATION

Stand No 10: Anica Otilia Placinta - National Institute for Earth Physics, Romania  
SOURCE PARAMETERS AND SCALING FOR THE CRUSTAL EARTHQUAKES IN THE CARPATHIANS  
AREA, ROMANIA: AN OVERVIEW

Stand No 11: Maria Rogoza - National Institute for Earth Physics, Romania  
UPDATED CATALOGUE OF DOBROGEA (ROMANIA) REGION FOR 2013-2017-TIME INTERVAL

Stand No 13: Eugen Oros - National Institute for Earth Physics, Romania  
CALIBRATION AND VALIDATION OF MEEP METHOD FOR LOCATION AND MAGNITUDE  
ESTIMATION OF HISTORICAL EARTHQUAKES FROM INTRA-CARPATHIAN REGION OF ROMANIA

Stand No 14: Angela Petruta Constantin - National Institute for Earth Physics, Romania  
RELATIONSHIP BETWEEN MACROSEISMIC INTENSITY AND PEAK GROUND ACCELERATION OF  
THE VRANCEA (ROMANIA) EARTHQUAKES

Stand No 15: Sadeuk Ben Abbas Abdelkader - University of Khemis Miliana, Algeria  
IMPACT OF CLIMATE CHANGE ON THE HYDROMETRIQUE REGIME IN THE NORTHWEST OF  
ALGERIA

Stand No 16: Sadeuk Ben Abbas Abdelkader - University of Khemis Miliana, Algeria  
FLOOD QUANTILES AND FLOOD-DURATION-FREQUENCY CURVES-APPLICATION IN NORTHWEST  
REGION OF ALGERIA



## Social Program

### **3 September, 2018 – Monday**

10.30 -10.45: Opening Concert in Hall Prague  
19:00: Welcome Cocktail in Garden of Duo Hotel

### **6 September, 2018 – Thursday**

19:00: Gala Dinner in Garden of Duo Hotel

### **7 September, 2018 – Friday**

09:00: Cultural & Field Trip  
(Route will be announced in Venue)

*Please note that there will may be changes on the hours and/or places of cocktails  
and dinner depending on the weather conditions*