



Second International Enviromining Virtual Conference 2026

Jointly organised by
University of Petroșani & University of Bologna

CONFERENCE PROGRAMME

26 – 27 May 2026

<https://tinyurl.com/yjv2peu5>

GENERAL PROGRAMME

Eastern European Time

26 May 2026

- 11:00 – 11.15 Opening Ceremony Day 1
Professor Alessandra BONOLI
University of Bologna
- 11:15 – 11:45 Keynote Speaker – Professor Roberto BRUNO
- 11:45 – 12:00 Q & A
- 12:00 – 14:00 Session 1
- 14:00 – 14:30 Break
- 14:30 – 16:30 Session 2

27 May 2026

- 11:00 – 11.15 Opening Ceremony Day 2
Professor Maria LAZAR
Vice-Rector University of Petrosani
- 11:15 – 11:45 Keynote Speaker – Dr. Mohamed SHOLQAMY
- 11:45 – 12:00 Q & A
- 12:00 – 14:00 Session 1
- 14:00 – 14:30 Break
- 14:30 – 16:30 Session 2

SESSION 1
TUESDAY 26.05.2026
12:00 – 14:00

Chairperson: Dorel GUSAT		
1.	Evangelos MACHAIRAS, Emmanouil A. VAROUCHAKIS VIRTUAL REALITY TOOLS FOR SUSTAINABLE MINING AND ENVIRONMENTAL MANAGEMENT	12:00 12:15
2.	Alexandru-Marian EREMEI, Maria LAZĂR THE IMPORTANCE OF MONITORING SYSTEMS IN THE ASSESSMENT AND PREVENTION OF LANDSLIDES IN OPEN-PIT MINES AND WASTE DUMPS IN OLTENIA AND SIMILAR REGIONS	12:15 12:30
3.	Matteo Iacopo LOMBARDO, Sebastiano D'ALIO OPTIMIZATION OF FLYROCK AND GROUND VIBRATIONS IN BLAST DESIGN: A CASE STUDY FROM THE BALANGERO MINE IN ITALY	12:30 12:45
4.	Paul Leonard GRIGORESCU, Maria LAZĂR THE CURRENT CONTEXT OF GOLD-SILVER MINING PROJECTS IN ROMANIA – LEGAL CONTINUITIES AND DYSFUNCTIONS	12:45 13:00
5.	Longzhe YU, Sara KASMAEEYAZDI, Francesco TINTI, Anyi WANG FEASIBILITY OF GFRP BOLTS FOR STOPE ROADWAY SUPPORT IN CEMENTED BACKFILL DRIFT MINING: A CASE STUDY OF JINCHUAN NO. 2 MINE	13:00 13:15
6.	Sorinel POPESCU, Stela DINESCU, Iulian VLĂDUCĂ, Ramona Manuela STANCIUC INTEGRATED ENERGY PRODUCTION AND STORAGE USING CAES IN ENGINEERED CONCRETE CAVERNS WITHIN SURFACE LIGNITE QUARRIES	13:15 13:30
7.	Pietro BELBA A REVIEW OF NUMERICAL MODELS FOR PREDICTING SUBSIDENCE IN ABANDONED MINES (2015 - 2025)	13:30 13:45
8.	Camelia MADEAR, Gelu MADEAR, Sorin Mihai RADU DISCRETE FRACTURE NETWORKS AND ENVIRONMENTAL PERFORMANCE IN ORNAMENTAL ROCK QUARRIES	13:45 14:00
Break		14:00 14:30

SESSION 2
TUESDAY 26.05.2026
14:30 – 16:30

Chairperson: Stefano BONDU		
1.	Yewuhalashet FISSHA, Jitendra KHATTI, Hajime IKEDA, Kursat KILIC, Walubita MUFALO SOFT COMPUTING-BASED PREDICTION OF BLAST-INDUCED GROUND VIBRATIONS FOR ENVIRONMENTALLY SUSTAINABLE MINING OPERATIONS	14:30 14:45
2.	Cristina Tamara DURA RESEARCH ON DETERMINING THE LOAD FACTOR FOR DIFFERENT TYPES OF ROCKS FOUND IN THE JIU VALLEY BASIN IN ORDER TO ACHIEVE ROCK-SUPPORT EQUILIBRIUM IN MINING CONSTRUCTIONS	14:45 15:00
3.	Irfan ULLAH, Sara KASMAEEYAZDI, Emanuele MANDANICI, Sergio Tenorio MATANZO, Martín López del RÍO, Francesco TINTI AN INTEGRATED REMOTE SENSING APPROACH TO LITHOLOGICAL MAPPING AND CRITICAL RAW MATERIAL EXPLORATION IN THE SOUTH PORTUGUESE ZONE, SPAIN	15:00 15:15
4.	Dorel GUŞAT, Ioan BUD, Dinu DARABĂ GIS AND REMOTE SENSING-BASED DIGITAL FRAMEWORK FOR ENVIRONMENTAL MONITORING OF DISPERSED HISTORICAL MINING AREAS IN NORTHERN ROMANIA	15:15 15:30
5.	Anita BAAH, Amadu Barrie THE EFFECT OF MINING ON THE PAMPANA RIVER BASIN, SIERRA LEONE	15:30 15:45
6.	Cristina PUPĂZĂ, Alexandra ŞOICA, Susana APOSTU, Mihaela-Aurelia TOMESCU FROM CONTAMINATION TO REMEDIATION: ENVIRONMENTAL RISK ASSESSMENT IN THE PINOASA LIGNITE QUARRY	15:45 16:00
7.	Attafi IMANE, Idres ABDELAZIZ, Mekti ZOHIR ENRICHMENT OF ALGERIAN PHOSPHATE USING COMBINED METHOD TO REDUCE REJECT PRODUCTION	16:00 16:15
8.	Gelu MADEAR, Camelia MADEAR, Ciprian-Gheorghe DANCIU STRUCTURAL CHARACTERISATION OF FRACTURE SYSTEMS IN ROMANIAN DIMENSION STONE DEPOSITS: INSIGHTS FROM SCANLINE ANALYSIS	16:15 16:30

SESSION 1
WEDNESDAY 27.05.2026
12:00 – 14:00

Chairperson: Gelu MADEAR		
1.	Dimitrios PETKIDIS, Francis PAVLOUDAKIS, Dimitrios MARINAKIS, Eleni TRIANTAFYLLOU MATERIAL RECOVERY FROM END-OF-LIFE WIND AND PHOTOVOLTAIC SYSTEMS: LINKING CIRCULAR ECONOMY AND MINERAL PROCESSING METHODS IN POST-MINING AREAS UNDER ENERGY TRANSITION	12:00 12:15
2.	Remus Dumitru GUȚĂ CIRCULAR ECONOMY – THE DUALITY BETWEEN OBLIGATION AND OPPORTUNITY IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT	12:15 12:30
3.	Stephanos TSACHOURIDIS, Francis PAVLOUDAKIS A UNIFIED 4D UAV PHOTOGRAMMETRY METHODOLOGY FOR MINE DUMP SLOPE MONITORING, DISPLACEMENT ANALYSIS, AND TIME DEPENDENT FACTOR OF SAFETY EVALUATION	12:30 12:45
4.	Mădălina-Flavia IONIȚĂ, Emilia Cornelia DUNCA, Sorin Mihai RADU, Sabin Ioan IRIMIE INTEGRATED MODEL FOR THE ASSESSMENT AND PRIORITISATION OF ENVIRONMENTAL RISKS ASSOCIATED WITH INACTIVE TAILINGS DUMPS IN THE JIU VALLEY	12:45 13:00
5.	André Monteiro KLEN, Henrique Ulhoa de FARIA, Lourrane Lindsay Alves EVARISTO, Esteban Velez COLORADO BAUXITE RESIDUES AS A SOURCE OF SPECTRAL SIGNATURES FOR FE AND AL EXPLORATION USING MACHINE LEARNING AND SENTINEL-2 DATA	13:00 13:15
6.	Marian DURBACĂ, Dennis T. FRENȚIU, Titus P. FRENȚIU, Alexandru MINA, Mircea A. PELE, Alexandru POSA, Marius TOLAN, David TOMUȚA URANIUM EXPLOITATION IN ROMANIA: STRATEGIC RESOURCE MANAGEMENT, ENVIRONMENTAL RISK, AND ENERGY SECURITY	13:15 13:30
7.	Meriem BOURECHEROUCHE A GIS-BASED ASSESSMENT OF LAND USE DYNAMICS AND CLIMATE VARIABILITY IN CONSTANTINE PROVINCE, ALGERIA	13:30 13:45
8.	Mariana Ionela (DUMITRACHE) FĂLCAN, Maria LAZĂR, Rodica (STEPANEK) CUJBA INTEGRATED APPROACHES FOR MANGANESE RECOVERY FROM SILICO-MANGANESE SLUDGE	13:45 14:00
Break		14:00 14:30

SESSION 2
WEDNESDAY 27.05.2025
14:30 – 16:30

Chairperson: Sara KASMAEEYAZDI		
1.	Tochukwu A. NGWU, Jeremiah ONAOLAPO, Chinwe P. ORAMAH, Kenechukwu R. NGWU, Chinwe N. ODIMEGWU, ThankGod UGWUADA COMPARATIVE ANALYSIS OF COMPLIANCE AND COST-BENEFIT PERFORMANCE OF AIR POLLUTION MITIGATION IN MINING	14:30 14:45
2.	Rodica (STEPANEK) CUJBA, Maria LAZAR, Mariana Ionela (DUMITRACHE) FĂLCAN LIFE CYCLE ASSESSMENT AS A TOOL IN SUSTAINABLE MINING FOR IDENTIFYING KEY IMPACT STAGES	14:45 15:00
3.	Ali ABUBAKR, Olga SERGIENKO BUSINESS PLAN DEVELOPMENT FOR THE IMPLEMENTATION OF THE BEST AVAILABLE TECHNIQUE (BAT) TO RAISE ENERGY EFFICIENCY IN THE GOLD MINING PROCESSING INDUSTRIES. CASE STUDY IN SUDAN	15:00 15:15
4.	Cristina PUPĂZĂ, Alexandra ȘOICA, Susana APOSTU, Mihaela-Aurelia TOMESCU INTEGRATED STRATEGIES FOR MINING WASTE VALORIZATION TO IMPROVE RESOURCE EFFICIENCY	15:15 15:30
5.	Athina ZAFEIROPOULOU, Aristotelis TRIANTAFYLLIDIS, Francis PAVLOUDAKIS, Panagiotis PAPAZOTOS, Argiro ASVESTA PHYTOSTABILISATION IN MINE WASTE DUMPS: THE ROLE OF SELECTED TREE SPECIES IN THE LIGNITE MINES OF WESTERN MACEDONIA, GREECE	15:30 15:45
6.	Robert GUZRANYI, Mihaela TODERAȘ, Gelu MADEAR, Camelia MADEAR GEOTECHNICAL EVALUATION OF QUARRY-TO-LAKE CONVERSION USING NUMERICAL MODELLING	15:45 16:00
7.	Pranay Ramesh MOON, Manas DAS, Debasish SINGH, Amit Kumar MANKAR, Mohammad Farooq BHAT, Radhakanta KONER MONITORING ECOLOGICAL RESTORATION DYNAMICS IN THE JHARIA COALFIELD THROUGH REMOTE SENSING AND GEOSPATIAL ANALYSIS	16:00 16:15
8.	Marco LOMBARDI, Mohammad MALEKI, Sara KASMAEEYAZDI, Francesco TINTI SIMULATION OF CATEGORICAL AND CONTINUOUS VARIABLES OF A SOUTH-AMERICA COPPER DEPOSIT	16:15 16:30

