

11th International Symposium Occupational Health and Safety

SESAM 2023

MAIN ORGANIZER



**NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT
IN MINE SAFETY AND PROTECTION TO EXPLOSION**

INSEMEX

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LABOUR INSPECTION

UNDER THE AUSPICES OF



**MINISTRY OF RESEARCH, INNOVATION
AND DIGITALSATION**



**ROMANIAN ACADEMY OF TECHNICAL
SCIENCES (ASTR)**

**18th October 2023
Novotel City Centre Hotel
Bucharest, ROMANIA**

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PRELIMINARY AGENDA

08:30 – 09:30	Registration and Welcome Coffee	Foyer
09:30 – 10:00	Official Opening	Paris Conference Room
09:30 – 10:00	Welcome Addresses: <i>George Artur Găman - General Director, INCD INSEMEX Petroșani</i> <i>Tudor Prisecaru - State Secretary, Ministry of Research, Innovation and Digitalisation</i> <i>Dantes Nicolae Bratu - General State Inspector, Labour Inspection</i> <i>Sorin Mihai Radu - Rector, University of Petroșani</i> <i>Valeriu Jinescu - Romanian Academy of Technical Sciences (ASTR)</i> <i>Cristian Hubati - Executive Board Member, OMV Petrom</i>	
10:00 – 10:30	Coffee Break	Foyer
10:30 – 13:00	1st Plenary Session	Paris Conference Room
	Chairmen: Maria Lazăr, Robert Laszlo	
10:30 – 10:40	Post-mining risk management and multi-hazard approaches, methodology and application <i>Marwan Al Heib, Marie Degas, Amélie Lecomte, Christian Franck</i>	
10:40 – 10:50	Abandoned mine methane development of the Upper Silesian coal basin in the light of the new EU Regulation on methane emission reduction in the energy sector <i>Jerzy Hadro, Janusz Jureczka, Grzegorz Suszka, Katarzyna Strzemińska</i>	
10:50 – 11:00	Development of lignite open pits - challenges and solutions <i>Maria Lazar, Florin Faur, Izabela-Maria Apostu, Daniel Moisuc-Hojda, Klaus Fissgus</i>	
11:00 – 11:10	Procedural concept for complex risk assessment in a multinational company in Romania <i>Roland Iosif Moraru, Gabriel Bujor Babut, Mihai Popescu – Stelea, Madalina Racautanu</i>	
11:10 – 11:20	Behavior-based safety, the right long-term approach to address workplace safety <i>Adrian Toma, Florina Ghindescu Negura, Roland Iosif Moraru, Florin Muresan, Madalina Racautanu</i>	
11:20 – 11:30	Passive blast protection of buildings by ductile steel-based envelopes <i>Robert Laszlo, Emilian Ghicioi, Florea Dinu, Calin Neagu, Dan Dubina</i>	

- 11:30 – 11:40** **An exploratory study on new and emerging occupational safety and health risks associated with the digital market**
Florina Ghindescu Negura, Mihai Popescu-Stelea, Adrian Toma, Catalin Valentin Dregan, Raluca Cepreaga Moldoveanu
- 11:40 – 11:50** **Reducing the negative impact on atmospheric air: an overview of economic and administrative and legal tools**
Anzhelika Karaeva, Larisa Ivascu, Athanasia K. Tolkou, George Z. Kyzas, Ramona Giurea
- 11:50 – 12:00** **Salt exploitation by dissolution – an alternative method to reduce post-closure risks**
Daniel Moisuc-Hojda, Maria Lazar, Florin Faur, Izabela-Maria Apostu
- 12:00 – 12:10** **Environmental risk assessment in coal mining with methane degassing**
Gregorio Fidalgo-Valverde, Agustín Menéndez-Díaz, Alicja Krzemień, Pedro Riesgo-Fernández, Antonio Luis Marqués Sierra
- 12:10 – 12:20** **Computer-aided design at the tailings dump – Livezeni colliery**
Adrian Florea, Csaba Lorint, Ciprian Danciu, Diana Marchis, Lorand Bogdanffy
- 12:20 – 12:30** **Aspects regarding the impact of cloth waste burning in the historical residential areas of the Petroșani municipality**
Csaba Lorint, Ciprian Danciu, Eugen Traista, Adrian Florea, Evelina Rezmerita
- 12:30 – 12:40** **A new research approach regarding the storage of different gaseous products under pressure in the eligible Romanian salt caverns**
Sorin Popescu, Sorin-Mihai Radu, Stela Dinescu, Iulian Vladuca, Ana-Maria Obreja
- 12:40 – 12:50** **Control system for suction valves within gas compressors skids located in potentially explosive zones**
Cristian Nechifor, Mihaela Roman, Daniel Lale, Remus Stoica, Mirela Vasile
- 12:50 – 13:00** **Reducing the occurrence of occupational diseases in order to make the work of mining personnel more efficient**
Laura Marica, Razvan Bogdan Itu

13:00 – 14:00

Buffet Lunch

Foyer

Chairmen: *Mihaela Părăian, Doru Costin Darabont*

- 14:00 – 14:10** **Dynamics of harmful factors in inclined road tunnels according to the results of numerical modeling of up to 50 MW fires in terms of natural ventilation**
Omar Lanchava, Nicolae Ilias, Sorin Mihai Radu, Giorgi Nozadze, Giorgi Javakhishvili
- 14:10 – 14:20** **Occupational health and safety risk management in the field of laboratory medicine**
Sophio Gugeshashvili, Omar Lanchava
- 14:20 – 14:30** **Photovoltaic system protection against lightning**
Constantin Beiu, Georgeta Buica, Anca Elena Antonov, Mircea Risteiu
- 14:30 – 14:40** **Functional system for experimentation and testing of products for professional use - Professional risk management tool for workers performing industrial activities**
Anca Elena Antonov, Georgeta Buica, Constantin Beiu, Remus Dobra
- 14:40 – 14:50** **Prognosis of ground surface deformation of the Victoria mine – Slănic Prahova saline**
Ovidiu Marina, Bogdan Postolachi, Dacian-Paul Marian, Ilie Onica
- 14:50 – 15:00** **The influence of the exploitation of the XIV horizon on the Stability of the Cantacuzino mine - Slănic Prahova saline**
Bogdan Postolachi, Ovidiu Marina, Dacian-Paul Marian, Ilie Onica
- 15:00 – 15:10** **Modern training methods and technique in the field of occupational safety – a literature review**
Alina Trifu, Doru Costin Darabont, Vicentiu Ciocirlea, Iulian Ivan
- 15:10 – 15:20** **Advantages and disadvantages of the online training system in the field of occupational safety and health**
Alina Trifu, Doru Costin Darabont, Vicentiu Ciocirlea, Iulian Ivan
- 15:20 – 15:30** **The influence of the conditions of use of the protective clothing on its mechanical and comfort characteristics**
Daniel Onut Badea, Florentina Poruschi
- 15:30 – 15:40** **Optical evaluation of the surfaces of the CuAlBe samples after the test of resistance to harsh wear stresses in an explosive atmosphere**
Romeo Gabriel Chelariu, Nicanor Cimpoesu, Alin Marian Cazac, Mihai Adrian Bernevig, Costica Bejinariu
- 15:40 – 15:50** **Work evolution and safety and health at work in Industry 4.0 / Industry 5.0**
Adriana Milea, Lucian-Ionel Cioca

- 15:50 – 16:00** **Comparison between measured and modelled data on occupational exposure to organic solvents in degreasing, varnishing and painting activities performed in a Romanian company**
Elena-Ruxandra Chiurtu, Maria Haiducu, Iuliana Pamela Scarlat
- 16:00 – 16:10** **Applicative study on work related stress in transport field**
Raluca Maria Iordache, Viorica Petreanu, Delia Cristina Mihaila
- 16:10 – 16:20** **Rock splitting with pyrotechnic compositions and secondary propellants**
Petar Shishkov, Nadezhda Stoycheva, Vladimir Penev
- 16:20 – 16:30** **Metabolic syndrome and the 10-year cardiovascular disease risk in urban public transport drivers in the context of occupational risks and workloads**
Delia Mihaila, Raluca Maria Iordache, Viorica Petreanu
- 16:30 – 16:40** **Workers exposure to synthetic textiles microfibers**
Iuliana Scarlat, Raluca Stepa, Maria Haiducu, Emilia Visileanu, Marian Catalin Grosu
- 16:40 – 17:00** **Q&A / CLOSING REMARKS**

19:30 - 22:30 **Gala Dinner**

Paris Ballroom

Partner:  **OMV Petrom**

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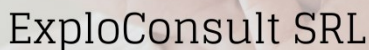
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