

International Symposium
”Occupational Health and Safety”
SESAM 2015
- Agenda -

TUESDAY, SEPTEMBER 29, 2015 / MARȚI, 29 SEPTEMBRIE 2015

17:00-18:00 Welcoming and registration of participants / Primire și înregistrare participanți

19:00- 22:30 BUFFET DINNER / CINĂ BUFET

WEDNESDAY, SEPTEMBER 30, 2015 / MIERCURI, 30 SEPTEMBRIE 2015

09:00-10:00 Welcoming and registration of participants / Primire și înregistrare participanți

10:00-10:30 Official opening of the symposium / Deschiderea festivă a simpozionului

10:30-10:45 Coffee break / Pauză de cafea

10:45-12:00 SESSION I

Session Chairmen:

1. Niculae Voinoiu, *Labour Inspection, Bucharest, Romania*
2. Marco Ragazzi, *Università degli Studi di Trento, Trento, Italy*

10:45-11:00

CONTROL OF WORKERS EXPOSURE TO CHEMICAL AGENTS

Authors: Tamara Morariu, Niculae Voinoiu

Labour Inspection, Bucharest, Romania

11:00-11:15

GREENHOUSE EFFECT REDUCTION THROUGH MINE METHANE VALORIZATION: OVERVIEW AND FEASIBILITY STUDY

Authors: Lucian-Ionel Cioca, Roland Iosif Moraru, Elena Cristina Rada, Vincenzo Torretta, Mihai – Popescu Stelea

“Lucian Blaga” University of Sibiu, Romania

11:15-11:30

RISK MANAGEMENT IN HEALTH INSTITUTIONS: RISK ANALYSIS OF A PUBLIC HOSPITAL

Authors: Taşkın Kılıç, Sedat Bostan, Fatı Şenturk

Gümüşhane University, Healthcare Management Department, Gümüşhane, Turkey

11:30-11:45

ASSESSMENT OF THE INFLUENCE OF THE FIREDUMP AREA AGAINST THE SECURITY OF CIVIL USE EXPLOSIVES CERTIFIED FOR USE IN UNDERGROUND IN FLAMMABLE AND/OR EXPLOSIVE ATMOSPHERE

Authors: Attila Kovacs, Gabriel Vasilescu, Emilian Ghicioi, Edward Gheorghiosu, Daniela Rus, Ciprian Jitea, Ștefan Ilici

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

11:45-12:00

COMBUSTION RISK ANALYSIS IN SUBSURFACE ENVIRONMENTS: CARBON MONOXIDE DATA PROCESSING TOOL

Authors: Roland Iosif Moraru, Gabriel Bujor Babut, Lucian Cioca, Marco Ragazzi

University of Petroșani, Romania

12:00-12:30 Coffee break / Pauză de cafea

12:30 - 13:45 SESSION II

Session Chairmen:

1. Lucian-Ionel Cioca, “*Lucian Blaga*” University of Sibiu, Romania

2. Sorin Burian, *National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania*

12:30-12:45

INTELLIGENT RESIDUAL WASTING. SMoSLAND SMART MONITORING SYSTEM FOR LANDFILLS

Authors: Mircea Risteiu, Roland Iosif Moraru, George Artur Găman, George Bălan

University of Petroșani, Romania

12:45-13:00

NEW AND EMERGING OCCUPATIONAL RISKS GENERATED BY GREEN TECHNOLOGIES

Authors: Alina Trifu, Doru Costin Darabont, Eduard Smidu, Vicențiu Ciocirlea, Iulian Ivan, Steluța Elisabeta Nisipeanu, Maria Haiducu, Elena Ruxandra Chiurtu

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

13:00-13:15

MULTIPLE AND MOVING REFERENCE FRAMES IN COMPUTATIONAL SIMULATIONS

Authors: Nicolae-Ioan Vlasin, Eugen Cozma, Emilian Ghicioi, Marius Șuvar, Vlad Mihai Păsculescu

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

13:15-13:30

MANAGERIAL APPROACH OF OCCUPATIONAL SAFETY AND HEALTH ACCORDING TO ISO 45001 IN THE PUBLIC HEALTH SECTOR

Authors: Daniela Manuc, Steluta Elisabeta Nisipeanu, Ruxandra Chiurtu, Agripina Rascu

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

13:30-13:45

SIMULATION OF BENZENE DISPERSION IN THE PAINTING INDUSTRIAL WITH COMPUTATIONAL FLUID DYNAMICS

Authors: Majid Bayatian, Shohre Rahmani, Mohammad Reza Ashouri

Tehran medical sciences branch Islamic Azad University, Teheran, Iran

13:45-15:00 BREAK / PAUZĂ

15:00-16:30 SESSION III

Session Chairmen:

1. Roland Iosif Moraru, *University of Petroșani, Romania*

2. Mihaela Părăian, *National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania*

15:00-15:15

SIMULATION OF AIR FLOW WITHIN SPARY TOWER SCRUBBER

Authors: Mohammad Reza Ashouri, Majid Bayatian

Tehran medical sciences branch Islamic Azad University, Teheran, Iran

15:15-15:30

ECOLOGICAL REHABILITATION OF WASTE DUMPS CRACIUNESTI BAITA QUARRY FOR RESTORATION AND PROTECTION OF BIODIVERSITY OF NEIGHBORING SITES

Authors: Emilia-Cornelia Dunca, Maria Lazăr, Daniela-Ionela Ciolea, Florin Faur

University of Petroșani, Romania

15:30-15:45

INCREASING THE PERFORMANCE IN THE PUBLIC HEALTH SECTOR THROUGH APPROACH OF THE EUROPE 2020 STRATEGY – SOCIAL RESPONSIBILITY ACCORDING TO ISO 26000

Authors: Daniela Manuc, Doru Costin Darabont, Steluta Elisabeta Nisipeanu, Elena Ruxandra Chiurtu, Agripina Rascu

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

15:45-16:00

ESTABLISHING THE OPTIMAL TYPE OF ECOLOGICAL RESTORATION OF DEGRADED LANDS

Authors: Maria Lazăr, Florin G. Faur, Emilia Dunca, Daniela-Ionela Ciolea

University of Petroșani, Romania

16:00-16:15

PARTICULARITIES REGARDING THE DETERMINATION OF MAXIMUM SURFACE TEMPERATURE OF EXPLOSIONPROOF LUMINAIRES WITH TYPE OF PROTECTION FLAMEPROOF ENCLOSURE "d" AND INCREASED SAFETY "e"

Authors: Lucian Moldovan, Sorin Burian, Mihai Magyari, Martin Friedmann, Dragoș Fotău, Marcel Rad

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

16:15-16:30

MICROELEMENTS INFLUENCE ON COAL OXIDATION/SELF OXIDATION AND THE IMPLICATIONS ON THE ENVIRONMENTAL POLLUTION

Authors: Maria Prodan, Constantin Lupu, Emilian Ghicioi, Irina Nălboc, Andrei Szollosi, Cornel Munteanu, Cristian Tomescu, Clementina Moldovan

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

16:30 –19:00 BREAK / PAUZĂ

19:00- 22:30 BUFFET DINNER / CINĂ BUFET

THURSDAY, OCTOBER 1, 2015 / JOI, 1 OCTOMBRIE 2015

9:30-11:30 SESSION IV

Session Chairmen:

1. Doru Costin Darabont, National Research and Development Institute on Occupational Safety - INCDPM "Alexandru Darabont", Bucharest, Romania
2. Constantin Lupu, *National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania*

9:30-9:45

UNDERGROUND ENVIRONMENT IMPROVEMENT BY ASSESSING THE EFFICIENCY OF VENTILATION NETWORKS

Authors: Doru Cioclea, Ion Gherghe, Florin Rădoi, Cristian Tomescu, Corneliu Boantă, Marius Morar, Vlad Mihai Păsculescu

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

9:45-10:00

OPTIMIZATION OF INDUSTRIAL WASTEWATER TREATMENT USING THE GRADIENT METHOD BY TRIFACTORIAL EXPERIMENTAL RESEARCH

Authors: Lorand Toth, George Artur Găman, Angelica Călămar, Marius Kovacs, Daniel Pupăzan

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

10:00-10:15

RESEARCH ON DESIGNING A FACILITY FOR RESCUER'S TESTING AND TRAINING IN CONFINED SPACES

Authors: Daniel Pupăzan, Artur George Găman, Cosmin Ilie, Angelica Călămar, Alin Irimia, Andrei Gireadă

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

10:15-10:30

SOLUTIONS FOR ANTIEX PROTECTION INTENDED ON A FULL AUTOMATION ENCASED SCREW COMPRESSOR

Authors: Andrei Mitru, Costin Dumitru, Radu Iorga

National Research and Development Institute for Gas Turbines COMOTI, Bucharest, Romania

10:30-10:45

DETERMINATION OF THE FLAMEPROOF PERFORMANCES DURING VERIFICATIONS AND TYPE TESTS OF FLAMEPROOF "d" ELECTRIC MOTORS IN NORMAL OPERATION

Authors: Mihai Magyari, Sorin Burian, Lucian Moldovan, Dragoș Fotău, Cosmin Colda

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroșani, Romania

10:45-11:00

SIMULATION OF METHANE LANDFILL EMISSIONS TO EVALUATE THE INFLUENCE OF GEOSYNTHETIC MATERIALS USED IN LANDFILL CAPPING

Authors: Raluca Aurora Ștepa, Maria Haiducu, Doru Costin Darabont

National Research and Development Institute on Occupational Safety - INCDPM "Alexandru Darabont", Bucharest, Romania

11:00-11:15

PROFESSIONAL RISK MANAGEMENT AND CONTROL ACTIVITIES CARRIED OUT BY WORKERS IN UNDERGROUND INSTALLATIONS AND POWER TRANSMISSION LINES

Authors: Georgeta Buica, Anca Elena Antonov, Constantin Beiu

National Research and Development Institute on Occupational Safety - INCDPM "Alexandru Darabont", Bucharest, Romania

11:15-11:30

TOOLS FOR PREVENTION OF OCCUPATIONAL RISKS FOR SME's – A PREREQUISITE FOR IMPROVING PRODUCTIVITY OF SMEs THROUGH HEALTHY WORKPLACES

Authors: Anca Elena Antonov, Georgeta Buica, Doru Costin Darabont, Constantin Beiu

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

11:30-12:00 Coffee break / Pauză de cafea

12:00-13:45 SESSION V

Session Chairmen:

1. Taşkın Kılıç, *Gümüşhane University, Gümüşhane, Turkey*

2. Emilian Ghicioi, *National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroşani, Romania*

12:00-12:15

PREVENTING AND REDUCING THE RISK OF OCCUPATIONAL DEAFNESS IN WORKING ENVIRONMENT WITH EXPLOSIVE POTENTIAL

Authors: Silviu Nicolae Platon, Adriana Tudor, Doru Costin Darabont

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

12:15-12:30

PREVENTION OF ACCIDENTAL POLLUTION WITH THE COMBUSTION GASES AFTER THE OCCURRENCE OF EXPLOSIONS OF AIR - GAS BY KNOWING OF VELOCITIES FOR THE FRONT OF FLAMES AND PRESSURE WAVES

Authors: Emilian Ghicioi, George Artur Găman, Dan Gabor, Nicolae Vlasin, Maria Prodan, Vlad Pasculescu, Dragoş Vasilescu

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroşani, Romania

12:30-12:45

ENVIRONMENTAL REPORTING IN RUSSIA AND ROMANIA: TO WHAT EXTENT OIL & GAS MULTINATIONAL COMPANIES ARE CONCERNED ABOUT ECOLOGICAL ISSUES?

Authors: Codruța Cornelia Dura, Imola Drigă, Claudia Isac

University of Petroşani, Romania

12:45-13:00

ANALYSIS OF ENVIRONMENTAL COMPONENTS BY MONITORING GAS CONCENTRATIONS IN THE ENVIRONMENT

Authors: Angelica Călămar, George Artur Găman, Daniel Pupăzan, Marius Kovacs, Lorand Toth

National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petroşani, Romania

13:00-13:15

STUDY ON MINING ELECTRICAL INSTALLATIONS OPERATING IN UNBALANCED REGIME

Authors: Constantin Beiu, Georgeta Buica, Cornel Toader, Nicolae Golovanov

National Research and Development Institute on Occupational Safety - INCDPM “Alexandru Darabont”, Bucharest, Romania

13:15-13:30

PROTECTION FOR ELECTRICAL RISKS BY ELECTRO-CONDUCTIVE TEXTILES

Authors: Ion Răzvan Rădulescu, Lilioara Surdu, Ion Pătru

National Research & Development Institute for Textiles and Leather, Bucharest, Romania

13:30-13:45

NEW CONCEPT FOR MANUFACTURING THE FIRE ARMS

Authors: Dănuț Chirilă, Florin Ianaș

University of Petroșani, Romania

13:45-14:00 END OF SESSIONS, CONCLUSIONS AND RECOMMENDATIONS

19:00 TRADITIONAL DINNER / CINĂ TRADIȚIONALĂ

FRIDAY, OCTOBER 2, 2015 / VINERI, 2 OCTOMBRIE 2015

10:00 – 11:00

ROUNDTABLE / MASĂ ROTUNDĂ