**UNECE Group of Experts on Coal Mine Methane & Global Methane Initiative**

# 3rd International Coal Conference
## *Ukrainian Coal Mining Industry in the Times of Decarbonisation*

# *Workshop*
*on*
# *Best Practices*
*in*
# *Coal Mine Methane Capture and Utilization*

*The Institute of Geotechnical Mechanics named by N. Poljakov of the National Academy of Sciences of Ukraine*
*Simferopol's'ka Street, 2-a, 49005, Dnipro, Ukraine*

*Draft Agenda as of 06.05.2019*

**12 June 2019 (Wednesday)**

**Introductory Part (10 min)**

9:30 **Introductory Remarks**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

**Current state of the Ukrainian Mining Sector (15 min)**

9:45 **Ukrainian Mining Sector: Current State, Strategy for the Future, CMM-related issues**
Mr. Anatoly.F Bulat, *Head, Program on Mine Methane Capture and Recovery, Institute of Geotechnical Mechanics named by N. Poljakov of National Academy of Sciences of Ukraine*

**Regulations and Enforcement (30 min)**

10:00 **Polish Mine Safety Regulations Concerning Methane Hazard Prevention**
Mr. Henryk Koptoń, *Gas Hazard Control Department, GIG - Central Mining Institute*

10:15 **US Mine Safety Regulations Concerning Methane Hazard Prevention**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

**Safety, Degassing, Explosion Prevention, and Risk Assessment (30 min)**

10:30 **An overview of the Ukrainian mine regulations pertaining to the mine safety and explosion prevention**
Mr. Igor Yashchenko, *Deputy Director, Department of Industrial Safety and Physical Protection, Ministry of Energy and Coal Industry*

10:45 **New Directions in R&D in order to Decrease Methane Hazard and to Increase CMM Capture - Based on GIG Experience**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*

**Coffee Break 11:00 – 11:30**

**Safety, Degassing, Explosion Prevention, and Risk Assessment (continued) (30 min)**

11:30 **Recent Changes in the Safety Culture in the Coal Mines Operated by the Shanxi Coking Coal Group**
A speaker from ICE-CMM China

11:45 **Designing the Coal Panels with High Concentration of Coal Extraction in Very Gassy Coal Seams**
Mr. Henryk Koptoń, *Gas Hazard Control Department, GIG - Central Mining Institute*

**Drainage and Mine Gas Utilization (1 h)**

12:00 **Drilling Solutions for Methane Drainage**
Mr. Clark Talkington, *Advanced Resources International (ARI)*

12:15 **CMM Drainage: Experience and Specifics of Operations in Kazakhstan**
Mr. Evgeny Alekseev, *Deputy Director, Methane Center PA*

12:30 **CMM Capture and its Use in Selected Urban Areas in Donbas**
Mr. Yurii Bobrov, *Executive Director, The Association of Mining Towns of Donbass*

12:45 **New techniques of coal seam panels' pre-drainage - based on "GASDRAIN" project experience**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*

**Lunch 13:00 – 14:00**

**Ventilation (45 min)**

14:00 **Overview of Ventilation Characteristics, Practices, and Regulations in the US**
Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

14:15 **Overview of Ventilation Characteristics, Practices, and Regulations in Poland**
Mr. Jacek Skiba, *Chief Specialist, Experimental Mine "Barbara", GIG - Central Mining Institute*

14:30 **VAM processing - International Experiences from Proven Technology**
Mr. Richard Mattus, *RM Business Consulting*

**Pre-mine Drainage (30 min)**

14:45 **Co-Development of Coal and Gas Resources – Coal Mining in an Established Gas Field** Mr. Raymond C. Pilcher, *Chair UNECE Group of Experts on Coal Mine Methane*

15:00 **CBM Gilowice Project – Overview, the Applied Fracturing Technology, and the Obtained Results**
Mr. Piotr Kasza, *Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute*

## International Centre of Excellence on CMM (30 min)

15:15 **ICE-CMM in China; Structure, Activities, and Achievements**
A speaker from ICE-CMM China

15:30 **ICE-CMM in Poland; Structure, Activities, and Achievements**
Mr. Piotr Kasza, *Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute*

## Coffee Break 15:45 – 16:15

## Development and Financing of CMM/CBM Project (1 h 30 min)

16:15 **An overview of the Ukrainian policies and measures that promote CMM and VAM use, and the existing projects that use or destroy methane recovered from coal mining**
Mr. Vadym Miroshnychenko, *Head, Degassing and Ventilation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY*

16:30 **Getting it Right: Policies that Provide a Solid Foundation for the Development of CMM/AMM and VAM Projects**
Ms. Meredydd Evans, *Senior Staff Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory (PNNL)*

16:45 **The Economics of Successful Project Development**
Mr. Clark Talkington, *Advanced Resources International (ARI)*

17:00 **Mine Gas Utilization and Monetization in Kazakhstan**
Mr. Evgeny Alekseev, *Deputy Director, Methane Center PA*

17:15 **CMM Capture and Utilization Project in China**
A speaker from ICE-CMM China

17:30 **Global VAM Update**
Mr. Richard Mattus, *RM Business Consulting*

17:45 **AMM utilization - Experiences of methods for utilizing of low-quality methane as energy source, applicable for abandoned mining methane**
Mr. Åke Kallstrand, *Director Quality - R&D, Dürr MEGTEC*

18:00 **End of Workshop**