**School of Underground Mining**

Coal Mine Methane as a Valuable Energy Source

Hotel QUBUS, Nadwiślańska Street 6, Cracow, Poland

Draft Agenda as of 20.02.2018

28 February, 2018 (Wednesday)

**Introductory Part (40 min)**

10:00 **Opening Speech**
Mr. Piotr Woźniak, President of the Management Board, PGNiG - Polish Oil and Gas Company

10:10 **International Centre of Excellence on Coal Mine Methane in Poland**
Mr. Łukasz Kroplewski, Vice-President of the Management Board, PGNiG - Polish Oil and Gas Company
Mr. Piotr Kasza, Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute

10:20 **The UNECE Group of Experts on Coal Mine Methane – goals, activities, achievements**
Mr. Michał Drabik, Economic Affairs Officer, United Nations Economic Commission for Europe

10:30 **European Commission’s projects on Coal Mine Methane and transition of the Coal Sector**
Mr. Hervé Martin, Head of Unit ‘Coal and Steel’, DG Research & Innovation, European Commission

**CMM Part (2h 20 min)**

10:40 **The efficiency of capturing methane during mining exploitation in Polish conditions**
Mr. Marek Borowski, Vice Dean, Faculty of Mining and Geoengineering, AGH University of Science and Technology

11:00 **Designing the coal panels with high concentration of coal extraction in very gassy coal seams**
Mr. Eugeniusz Krause, Scientific Council, GIG - Central Mining Institute
Mr. Jacek Skiba, Chief Specialist, Experimental Mine “Barbara”, GIG - Central Mining Institute
Mr. Bartłomiej Jura, Department of Gas Hazard Control, GIG - Central Mining Institute

11:20 **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
Mr. Bartłomiej Jura, Department of Gas Hazard Control, GIG - Central Mining Institute

11:40 **New techniques of coal seam panels’ pre-drainage - based on “GASDRAIN” project experience**
Mr. Janusz Makówka, Head, Department of Rockburst and Rock Mechanics, GIG - Central Mining Institute
Mr. Jacek Skiba, Chief Specialist, Experimental Mine “Barbara”, GIG - Central Mining Institute
Mr. Bartłomiej Jura, Department of Gas Hazard Control, GIG - Central Mining Institute
Mr. Jerzy Król, JSW S.A
Mr. Marian Zmarzły, JSW S.A
12:00 Directional Drilling Solutions for Methane Drainage  
Mr. Daniel Brunner, President, REI Drilling Inc

12:20 Perspectives, Obstacles and the Ongoing Developments in Coal Mine Methane and Coal Bed Methane in Georgia  
Mr. Levan Vepkhvadze, Adviser to CEO on Strategic Issues/Member of Board of Directors, Georgian Industrial Group

12:40 The impact of mine methane on coal production and safety of works at DTEK’s mines  
Mr. Vadym Miroshnychenko, Head, Degassing and Ventilation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY  
Mr. Oleksiy Zhukovskyy, Manager of Technology and Innovation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY

CBM Part (1h)

13:00 Pre-mine Drainage of Methane from Coal Seams in the USCB – Geo-Methane Program  
Mr. Janusz Jureczka, Director, Upper Silesian Branch, Polish Geological Institute - National Research Institute  
Mr. Piotr Kasza, Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute  
Mr. Łukasz Kroplewski, Vice-President of the Management Board, PGNiG - Polish Oil and Gas Company

13:20 CBM Gilowice Project – Workover, Fracturing and Testing  
Mr. Janusz Jureczka, Director, Upper Silesian Branch, Polish Geological Institute - National Research Institute  
Mr. Piotr Kasza, Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute  
Mr. Łukasz Kroplewski, Vice-President of the Management Board, PGNiG - Polish Oil and Gas Company

13:40 The Character of Development of CBM in Australia: Technical Success Factors  
Scott Thomson, Managing Director, CoalBed Energy Consultants

LUNCH 14:00 – 15:00

AMM – Part (1h 20 min)

15:00 Numerical Modelling and Prediction of Abandoned Mine Methane Recovery: Field Application at the Saar Coalfield, Germany  
Mr. Sevket Durucan, Professor of Mining and Environmental Engineering, Department of Earth Science and Engineering, Royal School of Mines, Imperial College London

15:20 AMM utilization - Experiences of methods for utilizing of low-quality methane as energy source, applicable for abandoned mining methane  
Mr. Åke Kallstrand, Technical Director, Environment, Climate & Energy, Babcock & Wilcox MEGTEC

15:40 UK experience of Transition from Operating Mine to Abandoned Mine Methane  
Mr. Neil Butler, Technical Director, HEL-East Ltd
16:00 **Case study from Germany on the utilisation of mine gas from abandoned mines**  
Mr. Clemens Backhaus, *Engineer, A-TEC Anlagentechnik GmbH*  
Ms. Alina Mróz, *CMM Project Developer*

**Panel Discussion (1h 40 min)**

16:20 **Panel Discussion**

*Moderator:*

Mr. Jacek Skiba, *Chief Specialist, Experimental Mine “Barbara”, GIG - Central Mining Institute*

*Panellists:*

- Mr. Clemens Backhaus, *Engineer, A-TEC Anlagentechnik GmbH*
- Mr. Daniel Brunner, *President, REI Drilling Inc*
- Mr. Neil Butler, *Technical Director, HEL-East Ltd*
- Mr. Sevket Durucan, *Professor of Mining and Environmental Engineering, Department of Earth Science and Engineering, Royal School of Mines, Imperial College London*
- Mr. Janusz Jureczka, *Director, Upper Silesian Branch, Polish Geological Institute - National Research Institute*
- Mr. Åke Kallstrand, *Technical Director, Environment, Climate & Energy, Babcock & Wilcox MEGTEC*
- Mr. Piotr Kasza, *Head, Reservoir Stimulation Department, Oil and Gas Institute - National Research Institute*
- Mr. Vadym Miroshnychenko, *Head, Degassing and Ventilation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY*
- Ms. Alina Mróz, *CMM Project Developer*
- Mr. Levan Vepkhvadze, *Adviser to CEO on Strategic Issues/Member of Board of Directors, Georgian Industrial Group*
- Mr. Oleksiy Zhukovskyy, *Manager of Technology and Innovation Unit, Technical Development Department, Coal Production Directorate DTEK ENERGY*

18:00 **End of Workshop**