

INTERNATIONAL WORKSHOP

**“MINING AND POST-MINING ISSUES
DURING THE ENERGY TRANSITION”**

5th December 2024, Gliwice

PLACE OF WORKSHOP:

**Silesian University of Technology
Faculty of Mining, Safety Engineering
and Industrial Automation
Akademicka Street 2, Gliwice Poland**



**Silesian University
of Technology**



EXCELLENCE INITIATIVE
**RESEARCH
UNIVERSITY**



WORKSHOP AGENDA:

Faculty of Mining, Safety Engineering and Industrial Automation
Akademicka Street 2, Gliwice Poland

9.00 - 9.30

Welcome and Introduction

9.30 - 9.45

Joydeep Roy

Chief Consular Officer, Honorary Consulate of Poland in Kolkata, India

Coal mining in India - challenges & opportunities

9.45 - 10.00

HDR, Dr. Eng. Alheib Marwan, Professor at École des mines de Nancy

Institut national de l'environnement industriel et des risques INERIS, France

French methodology of post-mining land management

10.00 - 10.15

Professor Titular de Universidad Francisco Javier Iglesias Rodriguez

University of Oviedo, Spain

Feasibility of repurposing decommissioned coal mines for green hydrogen production using circular economy principles

10.15 - 10.30

Dr. Stavros Kalaitzidis, Associate Professor

University of Patras, Greece

Lignite deposits in the post-coal era: alternative utilization

10.30 - 11.00 **Coffee break**

11:00 - 11.15

Dr. Antonio Luis Marqués Sierra

University of Oviedo, Spain

Reuse of underground coal mines at the end of their lifetime through emerging renewable energy technologies and circular economy principles

11.15 - 11.30

Prof. Dr. Carsten Drebenstedt

TU Bergakademie Freiberg, Germany

Mine closure and transformation of mining regions – case study coal mining in Germany

11.30 - 11.45

Dra. Marta Menendez Fernandez

Universidad de León, Spain

Sustainability in mining, energy and materials industry: An environmental approach

11.45 - 12.00

PhD, associate professor, Imashev Askar

PhD, senior lecture Mussin Aibek

PhD, acting associate professor, Suimbayeva Aigerim

Senior lecture Yeskenova Gulnura

Abylkas Saginov Karaganda Technical University, The Republic of Kazakhstan

Numerical modelling in geomechanical processes in the development of ore deposits

12.00 - 13.00 **Lunch**

13.00-13.15

Prof. em. Dr. Kimon Christanis

University of Patras, Greece

Geothermal energy applications in Greece

13.15-13.30

Assoc. Prof. PhD Asparuh Krasenov Kamburov

University of Mining and Geology St. Ivan Rilski, Bulgaria

Application of LiDAR and photogrammetry in archeological and geomorphological research projects

13.30-13.45

D. Sc. Eng., Prof. Valentyn Korobiichuk

Zhytomyr Polytechnic State University, Ukraine

The impact of technological devices on natural stone production costs: analysis of circular and wire saws

13.45-14.00

Dr hab. inż. Paweł Wrona, prof. PŚ

Dr inż. Zenon Róžański

Dr hab. inż. Tomasz Suponik, prof. PŚ

Dr hab. inż. Grzegorz Pach, prof. PŚ

Dr inż. Adam Niewiadomski

Silesian University of Technology, Poland

Environmental issues related to climate change in post-mining areas

14.00-14.15

Discussion

14.15-15.00

Photo of all participants. Visit to the Museum of Deposit Geology

Organizing Committee:

- dr hab. inż. Krzysztof Filipowicz, prof. PŚ
- dr hab. inż. Violetta Sokoła-Szewiła, prof. PŚ
- dr hab. inż. Iwona Jarczy, prof. PŚ
- dr inż. Daniel Adamecki