



INTERNATIONAL WORKSHOP

REVITALIZATION OF POST-MINING AREAS

11th December 2025, 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**



WORKSHOP AGENDA:

8.45–9.00 Registration of participants

9.00–9.15 Welcome and Introduction

9.15–9.30

Joydeep Roy

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

Repurposing of closed Coal Mines in India – understanding the challenges & opportunities

9.30–9.45

Professor Titular de Universidad Francisco Javier Iglesias Rodriguez

University of Oviedo, Spain

CRMs Data Space: Common European Data Space on critical raw materials for the Green Deal – recovery potential from closed extractive coal waste facilities

9.45–10.00

Dr. Antonio Luis Marqués Sierra

University of Oviedo, Spain

Hydrometallurgical processes for the recovery of critical raw materials from coal mining waste

10.00–10.15

Prof. Dr. Stavros Kalaitzidis

University of Patras, Greece

The Bauxite Mining District of Parnassos–Ghiona in Central Greece: A CRM hotspot of EU

10.15–10.30

Prof. Dr.-Ing. Carsten Drebenstedt

TU Bergakademie Freiberg, Germany

Lessons learned from mine closure in Germany

10.30–11.00 Coffee break

11.00–11.15

Prof. Jamal Rostami

Colorado School of Mines, Golden, USA

Review of recent trends in mining industry

11.15–11.30

Dr. Eng. Sergey Mihalev, Assoc. Prof.

University of Mining and Geology and Technical Services Superintendent

at Dundee Precious Metals – Chelopech, Bulgaria

Reclamation of post-mining areas in Ada Tepe – a high-grade, open-pit gold mine in Bulgaria

11.30–11.45

Prof. Lucio Zavanella

University of Brescia, Italy

Opportunities for abandoned mines: cases and initiatives in Italy

11.45–12.00

Prof. Dr. rer. nat. Frank Otto

TH Georg Agricola, Bochum, Germany

Usage of geotextiles in mining and postmining

12.00–12.30 Lunch

12.30–12.45

Dr. Kazbulat Shogenov

Tallinn University of Technology, Estonia

Satellite exploration of earth's resources using the nuclear magnetic resonance phenomenon

12.45–13.00

Prof. Kerstin Forsberg

KTH Royal Institute of Technology, Stockholm, Sweden

Crystallization of rare earth salts in waste processing

13.00–13.15

Full Professor Alexandre Chagnes

Pierric Hubert ^{1,2}, Safi Jradi ², Laure Clerget ³, and Alexandre Chagnes ¹

¹ Université de Lorraine, France

² Université Technologique de Troyes, France

³ Artemise SA, France

Flexible recycling process of NMC–LFP black masses from spent lithium–ion batteries

13.15–13.30

D.Sc. Eng., Prof. Valentyn Korobiichuk

Zhytomyr Polytechnic State University, Ukraine

Modern technologies for quarrying block stone

13.30–13.45

Assoc. Prof. Iwona Jonczy PhD, DSc

Silesian University of Technology, Poland

Metallurgical slag dumps as an element of the Upper Silesia landscape, as exemplified by the zinc dumps in Ruda Śląska

13.45–14.00 Discussion

14.00–15.00 Photo of all participants. Visit to the Laboratory of Mining Machines

International Workshop is organized under the patronage of the Dean's Authorities:

Assoc. Prof. Krzysztof Filipowicz PhD, DSc

Assoc. Prof. Violetta Sokoła-Szewioła PhD, DSc

Organizing Committee:

Assoc. Prof. Iwona Jonczy PhD, DSc – Chairwoman of the Organizing Committee

Daniel Adamecki PhD, Eng.

Patrycja Jarczyk PhD, Eng.

Assoc. Prof. Andrzej Wieczorek PhD, DSc

Ewa Głuszek MSc, Eng.

Grzegorz Głuszek MSc, Eng.