



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 Drebendstedt

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

Pierrick 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.