

Thematic Conference

„Materials Engineering in the Non-ferrous Metals Industry”

9:00 – 09:30

Plenary lecture – Prof. Michał Szucki – Technische Universität Bergakademie Freiberg

Is hydrogen the only solution? – Environmentally friendly heating systems for the foundry industry

09:30 – 11:10 Session I: Innovative materials

9:30 – 9:45

dr hab. inż. Maciej Szczerba, Institute prof. – Institute of Metallurgy and Materials Science, Polish Academy of Science

New aspects of plastic deformation in metallic materials

9:45 – 10:00

dr hab. Adriana Wrona – Lukaszewicz Research Network – Institute of Non-ferrous Metals

New solutions from refractory metals for additive technologies

10:00 – 10:15

dr hab. inż. Anna Kula, prof. AGH – Faculty of Non-Ferrous Metals, AGH University of Science and Technology in Kraków

Advances in Mechanical Properties and Performance of Magnesium Alloys: Unveiling the Future of Lightweight Materials

10:15 – 10:30

dr hab inż. Krzysztof Fic, prof. PP – Lukaszewicz Research Network – Institute of Non-ferrous Metals, Poznan Division

Non-ferrous metals in energy storage – how and why

10:30 – 10:45

Manel da Silva, PhD – Unit of Metallic and Ceramic Materials, Eurecat

New aluminum alloys for a sustainable electric mobility

10:45 – 11:10

Dmitrii Apushkin - Project Manager, Non-ferrous Metals & Alloys, SMS group GmbH

Digital process twinning and BlueControl to optimize overall plant performance

11:10 – 11:40 Coffee break

11:40 – 14:30 Session II: Modern technologies

11:40 – 11:55

mgr inż. Bogusław Ochab – ZGH Bolestaw S.A.

Technological aspects of closing technological cycles within the Circular Economy in the ZGH Bolestaw Capital Group

11:55 – 12:10

dr inż. Paweł Rutecki – Gränges Konin S.A.

Design of modern aluminium products in the light of green transformation requirements

12:10 – 12:25

dr hab. inż. Piotr Kwapisiński, Chief Engineer of the Development, Investment and Renovation Department, KGHM Polska Miedź S.A. „Cedynia” Copper Smelter

dr hab. inż. Artur Kawecki, prof. AGH, Faculty of Non-Ferrous Metals, AGH University of Science and Technology in Kraków

dr inż. Wojciech Głuchowski, Director of the Centre of Materials Processing and Engineering, Lukaszewicz Research Network – Institute of Non-ferrous Metals

dr inż. Jakub Siemiński, Research and Development Officer, TELE-FONIKA Kable S.A.
NCBR

High-strength and high-conductive load-bearing and conducting cores for the use in low-loss overhead power cables based on Cu-Ag alloys

12:30 – 13:30 Lunch

13:30 – 13:45

mgr inż. Marcin Dziedzic – Elemental Strategic Metals Sp. z o.o.

Challenges in PGM recycling from spent automotive catalytic converters based on silicon carbide matrix

13:45 – 14:00

dr inż. Piotr Uliasz – NPA Skawina Sp. z o.o.

Research on the chemical composition selection of 3xxx series aluminium alloys for continuous tube extrusion technology

14:00 – 14:15

dr inż. Jarosław Piekarski

National Contact Point for Horizon Europe, NCBR

Advanced Materials Initiative

14:15 – 14:30

Summary of thematic conference