

INTERNATIONAL CONFERENCE

COPPER METALLURGY

50th ANNIVERSARY OF KGHM POLSKA MIEDŹ S.A.

UNDER THE PATRONAGE OF:
PRESIDENT OF KGHM POLSKA MIEDŹ S.A.
DR HERBERT WIRTH

KRAKÓW
26-28 OCTOBER 2011
HOTEL HILTON GARDEN INN



LIST OF THE PAPERS SUBMITTED TO THE CONFERENCE

ORGANISED BY:



KGHM
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- 1. PLENARY PAPERS
- 2. SESSION PAPERS
 - 2.1 PYROMETALLURGY
 - 2.2 HYDROMETALLURGY
 - 2.3 COPPER PROCESSING

1. PLENARY PAPERS

WEDNESDAY, 26.10.2011

1. Landau Michael, Aurubis AG: *AURUBIS activities*
2. Knuutila Kari, Outotec Oyj: *KGHM Polska Miedz S.A. and OUTOTEC - success through technology collaboration*
3. Reuter Markus A., Matusewicz Robert, Hughes Stephen, Outotec Pty Ltd.: *Outotec TSL applications and developments in primary and secondary copper production*
4. Czernecki Józef, Instytut Metali Nieżelaznych: *Development of copper metallurgy in Poland*

THURSDAY 27.10.2011

1. Piret Norbert L., Piret and Stolberg Partners: *Secondary copper processing in primary smelters: its implications to the secondary copper industry*
2. Lehner Theo, Boliden Mineral AB: *Boliden Rönnskär Smelter: Challenges and opportunities for modern smelting*
3. Chmielarz Andrzej, Instytut Metali Nieżelaznych: *Problems of copper hydrometallurgy in Poland*
4. Kongoli Florian, Flogen Technologies Inc.: *The sustainability of copper and other metal processing*



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2. SESSION PAPERS

2.1 PYROMETALLURGY

1. Baj Tadeusz, Bipromet S.A.: *New Bipromet S.A. solutions for copper industry*
2. Foerier Stijn, Daelman Guy, Meskers Christina E.M., Umicore Precious Metals Refining: *Outsourcing of by-products: a hidden treasure revealed*
3. Lautsch Thomas, Braumann Ralph, KSL Kupferschiefer Lausitz GmbH: *The challenge of bringing a new copper mine to the market*
4. Lux T.: *ANDRITZ Maertz GmbH*
5. Schmedders, Salehi, Küttner: *Solutions for copper refining system by Küttner company*
6. Sloma Mariusz, METSO: *Automation in copper metallurgy in practical Finnish examples*
7. Mrozowski Jan, Wasilewski Wojciech, Instytut Metali Nieżelaznych: *New directions in process gases desulphurisation*
8. Siwiec Józef, Darlak Marian, Zakłady Magnezytowe Ropczyce, Jurkiewicz Rafał, ZM Invest S.A.: *Cost optimisation of refractory linings in copper and lead metallurgy*
9. Taskinen Pekka, Patana Sonja, Kobylin Petri, Latostenmaa Petri, Aalto University: *Roasting selenium from copper refinery anode slimes*
10. Maurell-Lopez, Zander Marco, IME Metallurgische Prozesstechnik und Metallrecycling Institut: *New IME large scale research recycling centre*
11. Talja Jyri, Chen Shaolong, Mansikkaviita Hannu, Kumera Corporation: *Optimum drying and feed preparation for smelting*
12. Chamer Ryszard, Dąbrowski Marek, IMN O/Legnica, Stanisław Masny, Kreisel GmbH&Co.KG: *Dedusting and desulphurisation of process gases from rotary furnaces*
13. Madej Piotr, Wędrychowicz Maciej, Kucharski Marian, Akademia Górniczo-Hutnicza: *Tellurium recovery from sodium carbonate slag formed in silver fire refining process*
14. Prajsnar Ryszard, Instytut Metali Nieżelaznych: *Lead recovery in copper smelters*
15. Wang X., Geysen D., Padilla S.V., Jones P.T., Van Gerven T., Blanpain B., Katholieke Universiteit Leuven: *Characterization of copper slag in the view of copper beneficiation*
16. Kucharski Marian, Akademia Górniczo-Hutnicza: *Simulation of the direct-to-blister flash process when charging the flash furnace by mixtures of Polish copper concentrates and ground copper mate smelted in shaft furnace*
17. Górnjak Grzegorz, Mróz Wiesław, Sak Tomasz, Kucharski Marian, Akademia Górniczo-Hutnicza: *Influence of carbon reducer surface on the rate of copper removal in the slag from flash direct-to-blister process*



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2.2 HYDROMETALLURGY

1. Cvetkovska Milena, Cvetkovski Vladimir, University of Belgrade: *Recovery of base metals from polymetallic concentrate using biohydrometallurgical processes*
2. Velea Teodor, Predica Vasile, Gherghe Liliana, National R&D Institute for Nonferrous and Rare Metals: *Eco-innovation in hydro-copper concentrates processing*
3. P. Spolaorea, C. Joulian, Y. Ménard, A.G. Guezennec and P. d'Hugues, BRGM: *Bioleaching of a copper concentrate from black shale ores: results of a continuous pilot operation*
4. Hanke Michał, Baranek Wit, Chmielarz Andrzej, Instytut Metali Nieżelaznych: *Direct electrowinning of copper from bio-leach solution*
5. Lindquist Björn, Tilek AB: *Removal of organic matter from a copper concentrate by microbiological methods: Results from test runs and evaluation of different process routes*
6. Balasubramanian R., Rajasekar A., Karthikeyan O.P., Szubert A., Grotowski A., National University of Singapore, KGHM Cuprum: *Bioleaching of precious metals from mineral ores: current challenges and future prospects*
7. Szubert Agnieszka, Grotowski Andrzej, KGHM Cuprum: *Control and optimization of copper sulfide ores bioleaching processes*
8. Wenzl Christine, METTOP GmbH: *METTOP Technologies-New Developments for Copper Production*
9. Aromaa Jari, Kekki Antti, Stefanova Anna, Forsén Olof, Aalto University: *Effect of stainless steel cathode blank surface properties on the nucleation of copper*
10. Coldewey Robert, HEINKEL Group: *Centrifuge technology in solid-liquid separation application*
11. Fluorochemika Poland sp. z o.o.: *AVITONEA™*
12. Łoś Przemysław, Łukomska Aneta, Kowalska Sylwia, Instytut Chemii Przemysłowej: *A new technology to recover copper and other metals from copper industry by-product and wastewaters*
13. Mieczysław Woch, Katarzyna Leszczyńska-Sejda, Grzegorz Benke, Krystyna Anyszkiewicz, Andrzej Chmielarz, Witold Missol, Marian Czepelak, Instytut Metali Nieżelaznych, Kamil Kozub, Bogdan Kuleba, KGHM Ecoren: *Rhenium recovery and production in copper metallurgy*
14. Chmielewski Tomasz, Politechnika Wrocławska: *Hydrometallurgy - an alternative for copper production at KGHM Polska Miedź S.A.*
15. Szczerba Jacek, Akademia Górniczo-Hutnicza: *Refractory ceramics of today*
16. Legierski T., AMEplus sp. z o.o.: *Application of vision and thermovision systems in control of technological processes at KGHM Polska Miedź S.A.*



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1. Pantazopoulos George, Vazdirvanidis Athanasios, ELKEME Hellenic Research Centre for Metals S.A.: *A review of characteristic in-service damage of copper tubes in fluid circulation systems: root-cause analysis and failure prevention*
2. Woźny Zygmunt, KGHM Polska Miedź S.A.: *Continuous Casting and Rolling Plant*
3. Knych Tadeusz, Blicharski Marek, Kawecki Artur, Mamala Andrzej, Kwaśniewski Paweł, Smyrak Beata, Kiesiewicz Grzegorz, Akademia Górniczo-Hutnicza: *Research into micro wires produced from Cu-Ag alloys of very high mechanical and electrical properties*
4. Knych Tadeusz, Mamala Andrzej, Smyrak Beata, Walkowicz Monika, Akademia Górniczo-Hutnicza: *Annealing susceptibility of copper wires vs. cathode chemical composition*
5. Knych Tadeusz, Smyrak Beata, Walkowicz Monika, Akademia Górniczo - Hutnicza: *Material characteristics and technological properties of oxygen free copper for cable applications*
6. Malec Witold, Instytut Metali Nieżelaznych: *Selected aspects of elimination of lead addition in copper alloys*

OTHER

1. Tlustochowicz Tomasz, Climbex S.A.: *Preparation of smelter facilities for refurbishment and their maintenance by application of vacuum loaders, work at height using rope access techniques and high-pressure washing. Environmentally friendly waste management.*



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