

# FINAL PROGRAM

CONFERENCE OF MINERAL ENGINEERING 2019

MEC 2019

*Consisting of*

XXIV INTERNATIONAL CONFERENCE OF MINERAL PROCESSING

LVI SYMPOSIUM

PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING

XV INTERNATIONAL CONFERENCE ON NON-FERROUS ORE PROCESSING  
(ICNOP)



*Kocierz, Beskid Maly  
September 16-19, 2019*

Organization



Politechnika  
Slaska



**KGHM**  
POLSKA MIEDŹ S.A.

**KGHM** CUPRUM  
CENTRUM BADAWCZO-ROZWOJOWE

## CONFERENCE PROGRAM

MONDAY, 16.09.2019

12 <sup>00</sup> -15 <sup>00</sup>	<b>Reception</b>
14 <sup>00</sup> -15 <sup>00</sup>	Diner
15 <sup>00</sup> -	<b>Conference opening, Hall: Kocierzanka</b>
15 <sup>00</sup> -18 <sup>00</sup>	<b>Plenary session – „New Techniques In Mineral Processing”,</b> chairmen: <b>Dariusz Foszcz, Tomasz Niedoba</b>
15 <sup>00</sup> -15 <sup>20</sup>	Opening speech
15 <sup>20</sup> -15 <sup>45</sup>	Foszcz D., Wołosiewicz-Głąb M., Krauze O., Ogonowski S., Gawenda T.: <b>Influence of Grinding Media Movement on the Throughput of Dry Grinding Circuit with Electromagnetic Mill</b>
15 <sup>45</sup> -16 <sup>10</sup>	Kołacz J.: <b>New High Definition X-Ray Sorting System Based on X-MINE Detection Technology</b>
16 <sup>10</sup> -16 <sup>40</sup>	Wenglorz R.: <b>Directions of development of coal processing in JSW S.A.</b>
16 <sup>40</sup> -17 <sup>00</sup>	Coffee break
17 <sup>00</sup> -17 <sup>40</sup>	Jubilee of <b>Prof. Andrzej Łuszczkiewicz</b> , 50 years of work
17 <sup>40</sup>	Group photo of MEC2019 participants (at main entrance to hotel reception)
19 <sup>00</sup>	Supper, Tavern

TUESDAY, 17.09.2019

7 <sup>30</sup> -9 <sup>00</sup>	Breakfast
9 <sup>00</sup> -13 <sup>00</sup>	<b>Scientific session</b>

**Morning session program, chairmen: Andrzej Wieniewski, Magdalena Duchnowska**

9 <sup>00</sup> -9 <sup>15</sup>	Wieniewski A., Skorupska B., Szczepaniak K., Tomaka W.: <b>Hydrocyclone Classification Control</b>
9 <sup>15</sup> -9 <sup>30</sup>	Surowiak A., Foszcz D., Niedoba T., <b>Evaluation of jig work on the basis of granulometric analysis of particle size fractions of beneficiation products in purpose of process optimization</b>
9 <sup>30</sup> -9 <sup>45</sup>	Duchnowska M., Bakalarz A., Łuszczkiewicz A., <b>Influence of Reagent Dose on the Flotation Selectivity of Copper Ore from LGOM Area (SW Poland)</b>
9 <sup>45</sup> -10 <sup>00</sup>	Kowol D., Matusiak P., <b>Improving the Quality of Hard Coal Products Using The State-of-the-Art KOMAG Solutions in A Pulsating Jig Nod</b>
10 <sup>00</sup> -10 <sup>15</sup>	Dubiel M., Ratajczak T., <b>Investigation of Flotation of Salts in Their Saturated Solutions</b>
10 <sup>15</sup> -10 <sup>30</sup>	Mijał W., Niedoba T., Polek D., <b>Mathematical Model of Dry Coal Deshaling by Using FGX Vibrating Air Table</b>
10 <sup>30</sup> -10 <sup>45</sup>	Pawłowska A., Sadowski Z., <b>Bioreduction In The Development Of New Mineral Technology</b>
10 <sup>45</sup> -11 <sup>00</sup>	Rayapudi V., Dhawan N., <b>Evaluation of Groundnut Shell as A Reductant for Microwave Reduction of Low Grade Banded Iron Ore</b>
11 <sup>00</sup> -11 <sup>15</sup>	Coffee break

**Part II, chairmen: Jacek Kołacz, Alicja Bakalarz**

11 <sup>15</sup> -11 <sup>30</sup>	Rejda M., Robak J., Supernok K., Ignasiak K., Fudala P., <b>Research on the Production of Composite Fuel on The Basis of Fine-Grained Coal Fractions and Biomass – The</b>
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- Impact of Process Parameters and The Type of Binder on The Quality of Produced Pellets**
- 11<sup>30</sup>-11<sup>45</sup> Saramak D., **A Method of Modeling And Control of Recycled Material to HPGR Device in Plant Scale**
- 11<sup>45</sup>-12<sup>00</sup> Ostrowski K., Bakalarz A., Duchnowska M., **Influence of Grinding on Flotation of Industrial Semi-Product From Sedimentary Copper Ore Upgrading Process**
- 12<sup>00</sup>-12<sup>15</sup> Niedoba T., Pięta P., Surowiak A., **Factor Analysis in Determining the Quality of Coal**
- 12<sup>15</sup>-12<sup>30</sup> Gawenda T., **Innovative Technological Circuits for Regular Aggregates Production**
- 12<sup>30</sup>-12<sup>45</sup> Rejda M., Pawłowski P., Rodz A., Ignasiak K., Helt I., **The Study of Influence of Fine Coal Fraction Addition to Coking Blend and Its Partial Briquetting on Coke Quality Parameters**
- 12<sup>45</sup>-13<sup>00</sup> Pawlos W., Krzemińska M., Kurzydło P., **The Comparison of Laboratory and Industrial Copper Ore Upgrading Indices During Introduction of New Flotation Reagents**
- 13<sup>00</sup>-14<sup>00</sup> Diner
- 15<sup>00</sup>-17<sup>15</sup> **Scientific session**

**Afternoon session program, chairmen: Ireneusz Baic, Zygmunt Sadowski**

- 15<sup>00</sup>-15<sup>15</sup> Witecki K., Grotowski A., **Technical, Technological and Environmental Aspects of the Management of Technological Waters in Mines and Concentrators Owned by KGHM Polska Miedź S.A.**
- 15<sup>15</sup>-15<sup>30</sup> Surowiak A., Staszewska M., Rogóż K., Szczepanik D., **Flotation enrichment of polish copper ore with apolar collectors**
- 15<sup>30</sup>-15<sup>45</sup> Krawczykowski D., Krawczykowska A., Gawenda T., Nad A., **Evaluation of Geometric Properties of Regular and Irregular Particles of Chalcedonite Enrichment Products from Pulsating Laboratory Jig by Means of Dynamic Image Analysis Method (DIA)**
- 15<sup>45</sup>-16<sup>00</sup> Kruk S., **The Efficiency of Engaged Capital in the WIG-Mining Index**
- 16<sup>00</sup>-16<sup>15</sup> Kalisz D., Młynarczykowska A., Chyczyński A., **Evaluation of The Impact of The CO/C Reducer on The CO<sub>2</sub> Formation in The Proces of Pyrometallurgical Recovery of Fe From Converter Slag**
- 16<sup>15</sup>-16<sup>30</sup> Coffee break

**Part II, chairmen: Andrzej Łuszczkiewicz, Tomasz Suponik**

- 16<sup>30</sup>-16<sup>45</sup> Koziół W., Baic I., **Extraction, Production And Consumption Of Gravel And Sand Aggregates In Poland. An Attempt To Assess National And Regional Balances**
- 16<sup>45</sup>-17<sup>00</sup> Blaschke W., Baic I., **FGX Air-Vibrating Separators for Cleaning Steam Coal – Functional and Economical Parameters**
- 17<sup>00</sup>-17<sup>15</sup> Leśniak K., Saramak A., **Analysis of Impact of HPGR Device Operation on Technological Effectiveness of Downstream Operations of Raw Materials Processing**
- 17<sup>15</sup>-17<sup>30</sup> Stempkowska A., **The trial of immobilization amphoteric metals cations in clay-cement hydroisolation barriers**
- 17<sup>30</sup>-17<sup>45</sup> Suponik T., Franke D., Nuckowski P., **Electrostatic and Magnetic Separations for the Recovery of Metals from Electronic Waste**
- 17<sup>45</sup>-18<sup>00</sup> Kalisz D., Kuglin K., Młynarczykowska A., **PSG Method for the Simulation of Carbon Particles Accumulation in the Flotation Process**
- 19<sup>00</sup>-23<sup>00</sup> Grill supper in Baciarska Chata

WEDNESDAY, 18.09.2019

- 7<sup>30</sup>-9<sup>00</sup> Breakfast
- 9<sup>00</sup>-12<sup>00</sup> **Scientific session, chairmen: Barbara Tora, Marcin Lutyński**
- 9<sup>00</sup>-9<sup>15</sup> Urbańczyk W., Lutyński M., **Supercritical Solvent Extraction of Lignite Combustion Products By Water and HNO<sub>3</sub> – Rare Earth Elements Recovery Study**
- 9<sup>15</sup>-9<sup>30</sup> Polek D., Niedoba T., Mijał W., **Energy Policy Of Poland – Current Status, Opportunities, Challenges, Threats**
- 9<sup>30</sup>-9<sup>45</sup> Sidor J., Budzyń S., Czosnek C., Kozub-Budzyń G., Tora B., **Investigation of the Process of Grinding of a Char Coal Obtained from Tires Waste Pyrolysis**
- 9<sup>45</sup>-10<sup>00</sup> Tora B., Budzyń S., Olkusi T., **Polish Experiences in Fine Coal Processing**
- 10<sup>00</sup>-10<sup>15</sup> Kubik R., Kenis P., **Comprehensive mineralogical characterization of tailings after processing of detrital raw materials from Lower Silesia, as a potential source of rare earth elements**
- 10<sup>15</sup>-10<sup>30</sup> Ramakgala C., Danha G., **Mineralogical Characterisation of Matsitama Banded Iron Ore**
- 10<sup>30</sup>-10<sup>45</sup> Poloko N., Moathodi N.A., Danha G., **Investigation of mineral department in a copper ore from Botswana**
- 10<sup>45</sup>-11<sup>00</sup> Poloko N., **Physical Separation Methods, Part 1: A Review**
- 12<sup>00</sup>-13<sup>00</sup> Diner
- 13<sup>30</sup> Departure for Żywiec Brewery Trip
- 18<sup>00</sup> Meeting of MEC Council
- 20<sup>00</sup>-24<sup>00</sup> Gala dinner in Hall "Kocierzanka", including ceremony of prizes for 3 best papers, sponsored by Minerals

THURSDAY, 19.09.2019

- 9<sup>00</sup>-10<sup>00</sup> Breakfast
- 10<sup>00</sup>-11<sup>00</sup> **Resume and end of the Conference**

\* Hours can be changed

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