The United Organizing Committee warmly invite You to participate in

CONFERENCE OF MINERAL ENGINEERING

consisting of XVII International Conference of Mineral Processing and XLIX Symposium on Physicochemical Problems of Mineral Processing. The conference will be held September 10-12, 2012 in Białka Tatrzanska.

The conferences have a long-standing tradition and became the most important meeting of representants of science and industry, connected with raw materials utilization and ecology, in Poland.

Before the conference the AGH Scientific Papers - Górnictwo and Geoinżynieria Quarterly and volume 48 and 49 of Physicochemical Problems of Mineral Processing semi-annual will be published in which the papers will be included.

The joined conferences registration fee is 350 EUR (+23% VAT) per person. The cost for accompanying person is 150 EUR zł (+ 23% VAT).

All payments should be done on the account:

Bank: Bank PeKaO S.A. I O/Kraków
Account number: 06 1240 1431 1111 0000 1045 2923
Account name: Fundacja „Nauka i Tradycje Górnicze”

Please add the foot-note: Przeróbka Kopalin 2012 + name of participant

CONFERENCE SCHEDULE

MONDAY, 10.09.2012
12:00-15:00 Reception
13:00-15:00 Lunch
15:00 Official opening of the conference
15:00-18:00 Plenary session
coffee break during plenary session
19:00 Traditional regional dinner

TUESDAY, 11.09.2012
8:00-9:00 Breakfast
9:00-12:00 Parallel sessions of MI and PPM
12:00-13:00 Lunch
15:00-17:00 Parallel sessions of MI and PPM
17:15 Organizers meeting
19:00 Gala dinner

WEDNESDAY, 12.09.2012
9:00-10:00 Breakfast
10:00-12:00 Parallel sessions of MI and PPM
12:00-12:15 Summary and conference closing
12:15-13:00 Lunch

Conference sponsors:

Poludniowy Koncern Węglowy SA

Gmina Bukowina Tatrzanska
The detailed session schedule of Mineral Engineering and Physicochemical Problems of Mineralurgy sessions for 10, 11 and 12 of September will be given to the participants with the conference materials

**Session**

**Physicochemical Problems of Mineralurgy**

**Ajemba R. O., Onukwuli O. D.:** Adsorptive removal of colour pigment from palm oil using acid activated Nteje clay: kinetics, equilibrium and thermodynamics studies

**Baranska J. A., Sadowski Z.:** Bioreacting of uranium minerals and biosynthesis of uxo nanoparticles

**Brożek M., Młynarczykowska A.:** The analysis of the cyclic flotation process of coal based on laboratory tests

**Gharabaghi M., Irannajad M., Azadmehr A. R.:** Selection of nickel and zinc ions in a synthetic acidic solution by solvent extraction using D2EHPA and Cyanex 272

**Gotfried L., Piletek G.:** Contaminants of Post-Leaching Copper Solutions and Their Behavior During Extraction with Industrial Extractants

**Hasab M. G., Raschki F., Rayyan S.:** Chloride–hypochlorite oxidation and leaching of refractory sulfide gold concentrate

**Hóld A., Kisielowska E.:** Biological removal of Cr(VI) ions from aqueous solutions by Trichodema viride

**Kekki A., Aromaa J., Forsen O.:** Leaching Characteristics of EAF and AOD Stainless Steel Production Dusts

**Klapiszewski L., Madrawska M., Jesionowski T.:** Preparation and characterization of synthesized silica/fumed silica composites

**Kolodziejska M., Kozłowski C., Ulewicz M.:** Separation of lead(II) and copper(II) by plasticizer membranes with sulphur analogous of phosphinic acids as carriers

**Konczyk J., Kozłowski C., Walkowiak W.:** Lead(II) removal from aqueous solutions by solvent extraction with tetrabutylammonium isothiocyanate

**Konieczny A., Pawłowski W., Krzemieńska M., Kaleta R., Kurzydlowski P.:** Evaluation of Possible Organic Carbon Separation During Pre-Flotation Stage Under KGHM-Poçoska Mine Conditions

**Kopczyńska I., Jokowska M., Wojciechowska A., Aranowski R.:** Preparation and Physicochemical Characterization of Ceramic Support for Supported Liquid Membranes

**Kotyczka-Morawiska M., Tomaszewicz G.:** Application of Polish Calcium Sorbents in Carbonate Looping

**Łutyński A., Suponik T., Łutyński M.:** Investigation of coal slurry properties deposited in impoundments located in the Upper Silesian Coal Basin

**Małewski J., Krzemieńska M.:** Dependence of mine revenue on the grade of copper concentrate

**Marciszyn T.:** Unusual application of porous matrix made from quartzite schist

**Mehdillo A., Irannajad M., Hajjatirad M. R.:** Characterization and Beneficiation of Iranian Low-Grade Manganese Ore

**Mehdillo A., Zaré H., Irannajad Rezaei M., Arjmandfar H., Hosseini A.:** Flotation of Zinc Oxide Ore Using Cationic and Cationic-Anionic Mixed Collectors

**Matlakowska R., Skłodowska A.:** Microbial transformations of fossil organic matter of Kupferschiefer black shale - elements mobilization from metallogenic compounds and metalloporphyrrins by a community of indigenous microorganisms

**Modrzewski R., Wodziński P.:** Analysis of Screening Process of Crushed Basalt Performed by a Double-Frequency Screen

**Nakhaei F., Irannajad M.:** Comparison between neural networks and multiple regression methods in metalurgical performance modeling of flotation column

**Nakhaei F., Irannajad M.:** Prediction of on-line froth depth measurement errors in industrial flotation columns: a promising tool for automatic control

**Niedoba T.:** Statistical analysis of the relationship between particle size and particle density of raw coal

**Ochoromowicz K., Chmielewski T.:** Solvent Extraction of Copper(II) from Concentrated Leach Liquors

**Olejnik T. P.:** Research on the comminution rate of mineral resources and its impact on the Dtrmbska P., Gega J.: Kinetics studies on the sorption of Ni(II) and Cd(II) from chloride solutions using chosen acidic cation exchangers

**Filarska A. Linda I., Wysokoński M., Paukszta D., Jesionowski T.:** Synthesis of Mg(OH)2 from magnesium salts and NH4OH by direct functionalisation with poly(ethylene glycol)

**Poleski M., Łucak J., Aranowski R., Jungnickel Ch.:** Wettability of surfaces with ionic liquids

**Rapacz-Knita A., Stodolak-Zych E., Dudek M., Szaraniec B., Rożycka A., Mosiałek M., Mandecka-Kamięń: D.:** Degrading of nanoclay-filled polylactic composites

**Rwerski B., Mielnicki S., Bartosiewicz I., Polkowska M.:** Removal of copper(I) from copper concentrate

**Rusanen L., Aromaa J., Forsen O.:** Pressure oxidation of pyrite

**Szczepanowicz K., Para G., Bouzga A.M., Simon C., Yang J., Warszyk A.:** The detailed session schedule of Mineral Engineering and Physicochemical Problems of Mineralurgy sessions for 10, 11 and 12 of September will be given to the participants with the conference materials

**Tasdemir A.:** Analysis of A Chromite Processing Plant Data by First Order Autoregressive Model

**Tasdemir A.:** Effect of Autocorrelation on the Process Control Charts Monitoring of a Coal Washing Plant

**Yehia A., Al-Wakeel M.:** Role of Ore Mineralogy in Selecting Beneficiation Route for Magnesite-Dolomite Separation

**Session**

**Mineral Engineering**

**foszczo D., Gawenda T.:** Analysis of Efficiency of Grinding in Ball and Rod Mills dependably on Contents of Fine Particles in Feed

**Kisielowska E., Kotański-Pilut K., Holda A.:** The Bioleaching of Silver from The "Zelazny Most" Disposable After-Flotation Wastes in Lubin with Application of Microfungi from Genus Aspergillus Niger

**Kolacz J.:** Advanced Sorting Technologies and its potential in Mineral Processing

**Kowal D., Lagodka M.:** Impact of Quantitative and Qualitative Differentiation of Feed on Effectiveness of Jig Beneficiation Process

**Krawczykowska A., Marciniak-Kowalska J.:** Problems of Water Content in Lignites – Methods of its Reduction

**Krawczykowski D., Krawczykowska A.:** Influence of Particle Shape on Balancing the Classification Products given by Hydrocyclones on the Basis of the Results of Laser Particle Size Analysis

**Marciszyn T., Sieradzki A.:** Selected Properties of Amphiboles and Migmatites from the G.A.M. Kluczkowa Mine

**Mitura A.:** Research over the Influence of Energetic Mixture Compositions on Combustion Heat

**Modrzewski R., Wodziński P.:** Motion Simulation of Industrial Screen Meshes

**Nadar A., Brożek M., Naziemiec Z.:** The Tensile Strength Properties of Lithological Variety of Polish Copper Ores

**Pan X.:** Development of Stockpile Soft Sensor

**Pan X.:** Optimization of Mineral Processing Plant Through Rom Ore Size

**Pan X.:** Smart Ore Tracking System Using Soft Sensor Technology

**Pociwiarowski W., Wodziński P., Kaniewska J.:** Investigation of the Rolling Screen

**Pomykala R., Stempskowska A., Lyko P.:** Rheological Properties of Silmet Waste from Hard Coal Processing

**Różyński B., Michałowski M. Tora B., Ćwikliński V., Cernotka L.:** Effectiveness of the Use of Willow Tree (Salix Viminalis) for Wastewater Treatment

**Tumidajski T., Niedoba T., Saramak D.:** Analysis of Efficiency of Grinding in Ball and Rod Mills dependably on Contents of Fine Particles in Feed

**Umucu Y., Deniz V., Bozkurt V.:** The Evaluation of Grinding Process Using Modsim®

**Umucu Y., Deniz V.:** A Study Simulation and Modeling on The Performance of the Heavy Media Cyclone in Coal Beneficiation