

# 3<sup>rd</sup> CIRCULAR

## 21<sup>st</sup> World Mining Congress & Expo 2008

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**Important: Due to safety considerations entry to the building and congress sessions is possible only after displaying congress identification badge and participation in accompanying events is possible after displaying an invitation!**

## DEAR PARTICIPANTS AND FRIENDS!

On behalf of the Organising Committee of 21<sup>st</sup> World Mining Congress I would like to welcome you in Poland, which was the organizer of the first Congress fifty years ago in Warsaw. It was organized by Professor Bolesław Krupiński, doctor honoris causa of the University of Mining and Metallurgy, the author of the beautiful description of the miner's work ethos:

"A miner has always been and will be the man of technical and social progress, because it is only progress, continuous perfection of technical and social conditions of work which allow miners learn more and more about the mysteries of the earth, discover its treasures, obtain them for the common good, encounter the dangers of nature and give its power to the country".

We meet in Krakow, the magical city, one of the few in the world where the genuine history mingles with the contemporary, where heritage salt mine operates on the city's edges in Wieliczka: „the only mining facility in the world which has been in operation since the Middle Ages" I am quoting from the justification for including the salt mine in the first list of UNESCO World Culture and Natural Heritage on 9<sup>th</sup> September 1978 which covered 12 landmarks from the whole world.

Who wants to know the Polish soul he must look for it in Krakow – wrote Wilhelm Feldman, well-known literary critic and historian. I am convinced that the Participants of the Congress will know it and the stay and participation in the Congress will make up a wonderful memory. Meeting opportunities and challenges that face mining at the outset of the 21<sup>st</sup> century is possible and effective thanks to working together. It is indicated by over 250 papers which will be presented during the sessions. The confrontation of research and activities with the needs and achievements of mining industry during World Mining Expo should be an important indication on the way to look for new solutions compliant with the requirements of sustainable economic development.

I am convinced that thanks to numerous Participants the Congress will be a significant and interesting event in presentation of mining image at the outset of the 21<sup>st</sup> century, the place of opinion and experience exchange, many interesting discussions and most of all establishing new friendships and preserving the old ones.

The Chairman of the Organizing Committee  
of 21<sup>st</sup> World Mining Congress  
**Jerzy Kicki**

Krakow, August 2008

# About Congress

The 21<sup>st</sup> World Mining Congress held in Kraków, but some events are scheduled in other cities also having a long mining tradition, such as Katowice, Lubin, Bełchatów and Wieliczka. In the first three cities, the Congress participants shall have a chance to familiarise themselves with the problems of Polish mining industry and with the knowledge and experience of Polish miners by undertaking technical trips to the mines. On the other hand, Wieliczka shall come about as travel back in time on one hand and as a contribution to a discussion on the role the former mining sites and testimonials of former mining glory play in the culture of today's societies. Among the most important topics discussed during the Congress, there are the following:

- New technologies in mining
- Methods of underground and open pit mining
- Underground Mine Environment
- Information technology in mining
- Sustainable development in mining industry

The Congress will include satellite sessions, held in Kraków. During those sessions, the following issues will be discussed:

- automation of the mining industry;

- risk management in the surface protection;
- mechanics of the rock mass and its influence on mining technologies and occupational safety;
- economics, management and design in the mining industry.

On the 50<sup>th</sup> anniversary of the World Mining Congresses we have prepared numerous attractions for the participants. We would like to present the beauty of the Polish culture and Polish mining traditions, which will be brought to you by the performance of the „Śląsk” Song and Dance Ensemble, the mining orchestra parade held in the magnificent surroundings of the Kraków Main Square and the traditional „Jump over a leather apron” event.

We believe that by participating in the events accompanying the Congress you will demonstrate the solidarity and friendship of miners from around the globe. Those bonds have been formed and build up for centuries and are strengthened by joint efforts to combat the dangers thrown our way by nature, protecting its reserves. We shall continue this difficult struggle, not forgetting however the future generations, for which we shall leave some of those nature's treasures.

## KRAKOW, PANORAMIC VIEW



foto: Miłosz Rusiecki



# Czy opodatkowanie wyrobisk górniczych jest zagrożeniem dla finansów kopalń?

## ZARYS PROBLEMU

Od lat na gruncie polskich przepisów prawnych istnieją kontrowersje w zakresie opodatkowania podatkiem od nieruchomości podziemnych wyrobisk górniczych. Na pewien czas spór w tym zakresie zakończyła uchwała Sądu Najwyższego z 2002 r. SN stwierdził, iż nie jest możliwe kwalifikowanie podziemnego wyrobiska górniczego, jak i urządzeń oraz obiektów znajdujących się w nim, jako budowli w rozumieniu ustawy o podatkach i opłatach lokalnych („UPOL”), a w związku z tym wspomniane wyrobiska nie powinny podlegać opodatkowaniu podatkiem od nieruchomości. Jednakże nowelizacja ustawy, która weszła w życie z dniem 1 stycznia 2003 r. na nowo otworzyła dyskusję związaną z zagadnieniem opodatkowania podziemnych wyrobisk górniczych.

## PRZEPISY PRAWNE

Zgodnie z UPOL opodatkowaniu podatkiem od nieruchomości podlegają m.in. budowle lub ich części związane z prowadzeniem działalności gospodarczej. Ustawa definiując pojęcie budowli stwierdza jedynie, że są to obiekty budowlane w rozumieniu prawa budowlanego. Problemem jest, czy unormowanie to odsyła jedynie do ustawy Prawo budowlane, czy też do całej gałęzi prawa budowlanego, w tym ustawy Prawo geologiczne i górnicze, normującej szczegółowo zakres pojęcia obiektów budowlanych zakładu górniczego.

## AKTUALNE STANOWISKO ORZECZNICTWA I DOKTRYNY

W obecnym stanie prawnym organy podatkowe oraz sądy domagają się od podatników zapłaty podatku od nieruchomości od podziemnych wyrobisk górniczych. Stanowisko takie spotyka się jednak z falą krytyki ze strony przedstawicieli doktryny prawa podatkowego. Zauważają oni m.in., iż UPOL definiując pojęcie budowli jako obiektu budowlanego w rozumieniu „prawa budowlanego” odwołuje się nie tylko do ustawy Prawo budowlane, lecz do całej gałęzi prawa, jaką jest prawo budowlane. Konsekwentnie zastosowanie znajdują przepisy ustawy Prawo geologiczne i górnicze, zgodnie z którymi obiektami budowlanymi zakładu górniczego są obiekty budowlane zlokalizowane w całości na powierzchni ziemi.

Jako że podziemne wyrobiska górnicze nie mogą zostać za takowe uznane, nie powinny podlegać podatkom od nieruchomości. Do niedawna wydawało się, że przedmiotowy spór rozstrzygnie Trybunał Konstytucyjny. Ten jednak z powodów proceduralnych umorzył postępowanie. Sprawa może jednakże ponownie trafić na wokandę TK. Zarząd Związku Pracowników Górnictwa Węgla Kamiennego zwrócił się bowiem do Rzecznika Praw Obywatelskich by ten zwrócił się do TK o zbadanie przedmiotowej kwestii. W oczekiwaniu na wyrok podatnicy powinni jednak bronić się przed nakładaniem na nich obowiązków podatkowych związanych z podziemnymi wyrobiskami górniczymi. Ostatnie opinie prawne sporządzone przez profesorów uniwersyteckich, wybitnych przedstawicieli doktryny prawa podatkowego oraz prawa górniczego jednoznacznie wskazują, że podziemne wyrobiska górnicze nie podlegają podatkom od nieruchomości. Konsekwentnie, istnieją mocne argumenty, przemawiające na korzyść podatników, które mogą być wykorzystywane przy zaskarżaniu aktów wydawanych przez organy skarbowe i sądy, dotyczących opodatkowania podatkiem od nieruchomości podziemnych wyrobisk górniczych.

## KONSEKWENCJE GOSPODARCZE OPODATKOWANIA WYROBISK GÓRNICZYCH

Jak zauważa ZZPGWK podatek od podziemnych wyrobisk górniczych i zlokalizowanych w nich budowli przypadający na zrzeszone w nim spółki sięga rocznie kwoty 150 mln zł, co za lata 2003-2008 wraz z należnymi odsetkami daje kwotę przekraczającą 1 mld zł. Wydaje się, iż tak wysokie kwoty dodatkowych zobowiązań publicznoprawnych nie będą mogły być pokryte przez kopalnie bez dodatkowych podwyżek cen węgla. Jak się szacuje podwyżka detalicznych cen węgla o 15% skutkowałaby min. 12-13% podwyżką cen energii. Biorąc więc pod uwagę, iż ok. 60% energii powstaje z węgla, bezpośrednimi skutkami takich podwyżek byłby również wzrost kosztów prowadzonej działalności gospodarczej, a w konsekwencji cen towarów konsumpcyjnych oraz usług. Tym samym, kwestia opodatkowania podatkiem od nieruchomości podziemnych wyrobisk górniczych nie jest wyłącznie problemem samych kopalni, ale może mieć znaczący wpływ na całą gospodarkę.

**Deloitte.**



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# Congress Framework Programme

## IMPORTANT

Due to safety considerations entry to the building and congress sessions is possible only after displaying congress identification badge and participation in accompanying events is possible after displaying an invitation!

Persons who during Congress stay in hotels: SHERATON, NOVOTEL CENTRUM, CRACOVIA, SASKI, DS ALFA and booked full fee accommodation via Biuro Orbis report for the Congress in their own hotels on 6 and 7th September 2008, where they receive ID badges and congress materials. On the remaining days the registration is made at Auditorium Maximum.

**Registration of participants, who do not stay in hotels or have not made the congress payment**  
– Auditorium Maximum UJ (Krupnicza str.) – 7<sup>th</sup> September 2008 between 9:00 a.m. - 8:00 p.m.

**Participation in banquets, lunches, dinners and coffee breaks is included into the congress fee excluding accompanying persons and students.**

## DAY 1

### SUNDAY, 7<sup>TH</sup> SEPTEMBER 2008

#### 4:00 pm

- **Congress Opening**

The Grand Hall, Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 6:00 p.m.

- **A preview of the art exhibition**

The Exhibition Hall, Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

- **Performance by the "Śląsk" Song and Dance Group**

The Grand Hall Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

- **Welcome Reception venue**

The Restaurant Hall (Level -1), Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

## DAY 2

### MONDAY, 8<sup>TH</sup> SEPTEMBER 2008

#### 8:00 a.m. - 9:00 a.m.

- **Author's Breakfast** (Authors should leave their oral presentations)

Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 9:00 a.m. - 1:00 p.m.

- **Plenary Lectures**

The Grand Hall, Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 1:00 p.m. - 3:00 p.m.

- **Lunch**

The Restaurant Hall (Level -1), Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 3:00 p.m. - 6:30 p.m.

- **Plenary Lectures**

The Grand Hall, Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 6:30 p.m. - 8:00 p.m.

- **Dinner**

The Restaurant Hall (Level -1), Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

#### 8:00 p.m.

- **Official parade from Auditorium Maximum of the Jagiellonian University starts**

#### 8:30 - 10:00 p.m.

- **Entertainment show: mining traditions and a traditional miner initiation rite (called „Jump over a leather apron”) – The Main Square**



KRAKOW, CLOTH HALL

## Congress Framework Programme

### DAY 3 TUESDAY, 9<sup>TH</sup> SEPTEMBER 2008

#### 9:00 a.m.

- ❑ Departure to World Mining EXPO 2008, Sosnowiec. Coaches depart from Auditorium Maximum, or Cracovia and Sheraton hotel
- ❑ Opening of Mining EXPO 2008 in Sosnowiec – a visit by Congress attendees
- ❑ Departure from Sosnowiec to Belchatow and Lubin (outgoing sessions)

### DAY 4 WEDNESDAY, 10<sup>TH</sup> SEPTEMBER 2008

#### THE SESSIONS IN KRAKOW:

- ❑ Session 1: New technologies in mining
- ❑ Session 2: Methods of underground and open pit mining
- ❑ Session 3: Underground Mine Environment
- ❑ Session 4: Information technology in mining – SESSION SPONSORED BY:



- ❑ Session 5: Sustainable development in mining industry

#### TOPICS OF OUTGOING SESSIONS:

- ❑ Session 6: Coal mining – chances and challenges, Katowice,
- ❑ Session 7: Ore mining – trends and challenges, Lubin,
- ❑ Session 8: Open pit mining – trends and challenges, Belchatow,
- ❑ Session 9: The mine as a witness to history and a monument of technology, Wieliczka,
- ❑ Session 10: Legal aspects in mining activity – session organized by State Mining Authority, Katowice

#### TOPICS OF SATELLITE MEETINGS HELD IN KRAKOW:

- ❑ Session 11: 17<sup>th</sup> International Conference on Automation in Mining ICAMC'2008
- ❑ Session 12: Risk management & subsidence engineering
- ❑ Session 13: Contribution of Strata Mechanics to mining technology and work safety – International Symposium organized by the IBSM (International Bureau of Strata Mechanics)
- ❑ Session 14: Economics, management and design in the mining industry – SESSION SPONSORED BY:

PRICEWATERHOUSECOOPERS 

# Congress and Accompanying Events Framework Programme

## DAY 5 THURSDAY, 11<sup>TH</sup> SEPTEMBER 2008

- 9:00 a.m. - 11:30 a.m.
  - Mining industry – the present and the future, Part 1
- 9:00 a.m. - 11:30 a.m.
  - Mining industry – the present and the future, Part 2
- 11:30 a.m. - 12:30 p.m.
  - Poster Session
- 12.30 p.m. - 1.30 p.m.
  - Farewell concert
  - Congress closure ceremony
  - Lunch

- ## DAY 6 FRIDAY, 12<sup>TH</sup> SEPTEMBER 2008
- 10:00 a.m. - 4:00 p.m.  
Last opportunity to visit World Mining EXPO 2008 in w Sosnowiec



KRAKOW,  
THE MAIN SQUARE,  
A-B LINE

## FRAMEWORK PROGRAMME OF ACCOMPANYING EVENTS

### 29<sup>th</sup> August - 18<sup>th</sup> September

- **Exhibition: Polish Mining in Photography**  
(Planty Garden Ring, next to Bunkier Sztuki, Szczepańska str.)

### 7<sup>th</sup> - 11<sup>th</sup> September

- **Exhibition Marked with Coal – Silesian Artists of Mining Origin – paintings from the collections of non-professional art of the Silesian Museum in Katowice**  
The Exhibition Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.
- **Mining on Polish Postage Stamps – National Philatelist Exhibition Krakow 2008, postal cards printed for various occasions and date stamps**

### 7<sup>th</sup> September

- **7:00 p.m – Concert of Śląsk Song and Dance Group**  
The Grand Hall Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

### 8<sup>th</sup> September – The Main Square

- **2:00 p.m. – Mining orchestras parade and concert**
- **8.30 p.m. – Performance "Jump over a leather apron" – Mining Traditions**  
(Official parade from Auditorium Maximum of the Jagiellonian University starts at 8.00 p.m.)

### 9<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

- **5 p.m. – Performance of Kazimierz Kutz's film *Salt of the Black Earth (Sól ziemi czarnej)***

### 10<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

- **5 p.m. – Performance of Kazimierz Kutz's film *Pearl in the Crown (Perła w koronie)***

### 11<sup>th</sup> September – Grand Hall Auditorium Maximum of the Jagiellonian University (Krupnicza str.)

- **12.30 p.m. – Concert of Sinfonietta Cracovia Orchestra**

### 11<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

- **5 p.m. – Performance of Kazimierz Kutz's film *Beads of One Rosary (Paciorki jednego różańca)***

# Congress Timetable

Time	21 <sup>st</sup> World Mining Congress					
	World Mining Expo Exhibition in Sosnowiec					
	Day 1 7.09	Day 2 8.09	Day 3 9.09	Day 4 10.09	Day 5 11.09	Day 6 12.09
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
8-9 a.m.		Breakfast for the speakers AM: PH & SeH				Last opportunity to visit World Mining EXPO 2008 in w Sosnowiec
9-10 a.m.		Proceedings of the plenary session AM, GH	Departure from Kraków  Couches depart from AM, Cracovia and Sheraton hotel	Proceedings of sessions in Krakow (AM, A-0 AGH) Proceedings of outgoing and satellite sessions	Survey lectures in sessions  AM: MH A, MH B	
10-11 a.m.		Coffee break				
11 a.m. - 12 p.m.		Proceedings of the plenary session	Beginning of the Mining EXPO 2008 (ES)			
12-1 p.m.		AM, GH	Visiting Mining EXPO 2008 (ES)			
1-2 p.m.		Lunch  AM, RH (Level -1)	Lunch AM, RH (Level -1)	Lunch AM, RH (Level -1)	Farewell concert AM GH	
2-3 p.m.						
3-4 p.m.		Proceedings of the plenary session AM, GH	Trip to Belchatów	Proceedings of sessions in Krakow (AM, A-0 AGH) Proceedings of outgoing and satellite sessions		
4-5 p.m.	Opening AM, GH	Coffee break				
5-6 p.m.		Proceedings of the plenary session AM, GH			Banquet at Spodek (SP)	
6-7 p.m.	Exhibition AM, EH	Old Polish Dinner AM, RH (Level -1)	Accommodation	Arrival in Legnica and accommodation at the hotel		
7-8 p.m.	Concert AM, GH				Official parade Start, AM, Krupnicza str.	
8-9 p.m.		Jump over a leather apron MS	Official dinner	Return of outgoing sessions to Krakow		
9 p.m. -	Banquet AM, RH (Level -1)					

## LEGEND:

**AM** – Auditorium Maximum, Jagiellonian University, Krupnicza str.  
**GH** – Grand Hall in AM  
**EH** – Exhibition Hall, First Floor  
**RH** – Restaurant Hall at AM, Level -1  
**MH** – Medium Hall  
**MH A** – A Part of Medium Hall

**MH B** – B Part of Medium Hall  
**MS** – Market Square  
**ES** – Expo Silesia, Sosnowiec, Braci Mieroszewskich str. 124  
**SP** – Spodek, Katowice, al. W. Korfantego 35  
**SeH** – Seminary Hall  
**PH** – Portrait Hall



# Session Identification

## Wednesday – detailed session plan

Day 4, Wednesday, 10 <sup>th</sup> September															
Session	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	
Place	Auditorium Maximum						EMAG Katowice	KHGM Lubin	KWB Belchatów	Wieliczka	WUG Katowice	AGH A-0	Auditorium Maximum		
Room	GH A	GH B	SH	MH B	MH B	SeH					AGH	MH A	MH A	PH	
8-9 a.m.						Departure from Krakow	Technical trip (KGHM mines)	Session	Departure from Krakow	Departure from Krakow					
9-10 a.m.	Block A	Block A			Session	Session								Session	Session
10-11 a.m.						Session		Coffee break	Session	Session					
11 a.m. - 12 p.m.	Block B	Block B	Block 3.3		Session	Session		Session		Session		Session	Session	Session	
12-1 p.m.						Lunch			Lunch						
1-2 p.m.	Lunch AM, RH (Level -1)						Trip to mines	Session	Lunch	Session		Lunch AM, RH (Level -1)			
2-3 p.m.										Session					
3-4 p.m.	Block C	Block C	Block 3.2			Session	Visits: KWK Staszic, KWK Wieczorek, KD Barbara, EMAG	Technical trip	Coffee break		Session		Session	Session	
4-5 p.m.										Closing the session	Trip to GUIDO				
5-6 p.m.	Block D	Block D	Block 3.4	Block 3.1			Mining Picnic		Visiting Wieliczka	Visit to the historical mine GUIDO	Session		Session	Session	
6-7 p.m.								Dinner							
7-8 p.m.						Dinner									
8-9 p.m.	Banquet at Auditorium Maximum Jagiellonian University Krupnicza str.						Return to Krakow	Return to Krakow	Return to Krakow	Return to Krakow		Banquet at Auditorium Maximum Jagiellonian University Krupnicza str.			

### LEGEND:

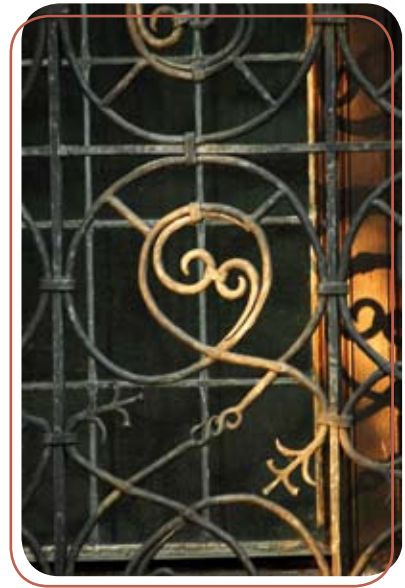
**AM** – Auditorium Maximum, Jagiellonian University, Krupnicza str.  
**GH** – Grand Hall in AM  
**GH A** – A Part of Grand Hall in AM  
**GH B** – A Part of Grand Hall in AM  
**EH** – Exhibition Hall, Level 1  
**RH** – Restaurant Hall at AM, Level -1  
**MH** – Medium Hall

**MH A** – A Part of Medium Hall  
**MA B** – B Part of Medium Hall  
**SM** – Small Hall  
**SeH** – Seminary Hall  
**PH** – Portrait Hall  
**AGH** – Main Hall A-0, AGH University of Science and Technology  
**MS** – Main Square

# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

7<sup>TH</sup> SEPTEMBER 2008  
DAY 1, SUNDAY

Auditorium Maximum of Jagiellonian University, Krupnicza str.



## 4:00 P.M. – OPENING OF THE CONGRESS

Hosting: Agnieszka Wagner

The Grand Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str

- Message of the President of the Republic of Poland Lech Kaczyński to the Participants of the Congress, Secretary of State, Vice-Manager of the President's Office Piotr Kownacki
- Speech of the Minister of Economy or of a representative of the Ministry of Economy
- Speech of the Sub-secretary of State at the Ministry of Environment, Main National Geologist Henryk Jacek Jezierski,
- Speech of the Mayor of Katowice Piotr Uszok and Mayor of Sosnowiec Kazimierz Górski and Vice-mayor of Krakow Wiesław Starowicz
- Speech of the President of World Mining Congress Organization Józef Dubiński: 50 Years of World Mining Congress Organization
- Speech of the Polish President of Organizing Committee of World Mining Congress Piotr Buchwald,
- Speech of representatives of KGHM Polska Miedź S.A. – Golden Sponsor of the Congress and Minova International Ltd – Diamond Sponsor of the Congress
- Thanks for the Sponsors

## 6:00 P.M. – EXHIBITIONS

The Exhibition Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.

- Exhibition Marked with Coal – Silesian Artists of Mining Origin – paintings from the collections of non-professional art of the Silesian Museum in Katowice
- Mining on Polish Stamps – National Philatelist Exhibition Krakow 2008, postal cards printed for various occasions and date stamps
- Exhibition: Polish Mining on Photos

## 7:00 P.M. – CONCERT OF ŚLĄSK SONG AND DANCE GROUP

The Grand Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.

- Śląsk Ensemble prepared a special artistic programme for the participants of the Congress. They will present traditional Polish folk dances, Russian, Hindi, Ukrainian, Chinese dances and more...
- Welcome Reception  
The Restaurant Hall (Level -1), Auditorium Maximum of the Jagiellonian University, Krupnicza str.

# Plenary Session

8<sup>TH</sup> SEPTEMBER 2008  
DAY 2, MONDAY

Auditorium Maximum of Jagiellonian University, Krupnicza str.

## Plenary Lectures

**1<sup>st</sup> Part, 9:00 a.m. - 1:00 p.m.**

Chairman: **A.K. GHOSE**

Co-Chairman: **Kazimierz LEBECKI**

Secretary: **Eugeniusz J. SOBCZYK**

**9:00-9:05 a.m. – Opening**

**9:05-9:25 a.m. – Magnus ERICSSON**

Raw Materials Group, Stockholm, Sweden

*Global Commodity Outlook and implications for the mining industry*

**9:25-9:45 a.m. – Tad SZWEDZICKI**

AusWest Pty Ltd, Perth, Western Australia

*Global trends impacting on the mining industry*

**9:45-10:05 a.m. – Xianzheng WANG**

China National Coal Association, China

*Development perspectives of China mining industry*

**10:05-10:25 a.m. – John E. TILTON**

Colorado School of Mines, USA

*Long Run Availability of Nonrenewable Mineral Resources*

**10:25-10:40 a.m. – Harald Lissberg**

WIRTGEN, Poland – commercial presentation

**10:40-11:00 a.m. – Coffee break**

**11:00-11:20 a.m. – Horst WAGNER, Günter TIESS**

University of Leoben, Austria

*Minerals Planning Policies and Supply Practices in Europe*

**11:20-1:40 a.m. – Jerzy BUZEK**

Member of the European Parliament, Poland

*European way towards zero emission carbon technology*

**11:40-12:00 a.m. – Ben PEACHEY**

International Council on Mining and Metals (ICMM), United Kingdom

*Sustainable Development for Sustainable Industry Growth*

**12:00-12:20 p.m. – Niall WEATHERSTONE**

Committee for Mineral Reserves International Reporting Standards (CRIRSCO), United Kingdom  
*Standards for reporting of mineral Resources and Reserves- Status, Outlook and Important Issues*

**12:20-12:35 p.m. – Axel Bahr**

Dräger Safety, Poland – commercial presentation

*Mask with Drinking Device for Dräger Pss Bg 4*

**12:35-1:00 p.m. – Discussion**

**1:00- 3:00 p.m. – Lunch**

**2<sup>nd</sup> Part, 3:00- 6:30 p.m.**

Chairman: **Leopold WEBER**

Co-Chairman: **Bolesław FIRGANEK**

Secretary: **Eugeniusz J. SOBCZYK**

**3:00-3:20 p.m. – A.K. GHOSE**

Indian School of Mines University, India

*Sustainable development in world mining industry in the light of the New Delhi Declaration – NDD*

**3:20-3:40 p.m. – Ray DURRHEIM**

CSIR and University of the Witwatersrand, Johannesburg, South Africa

*Rock Engineering for Ultra-deep Mining - Research, Implementation and Responsive Regulation*

**3:40-4:00 p.m. – Pekka SARKKA**

Helsinki University of Technology, Finland

*Intelligent Mine Implementation*

**4:00-4:20 p.m. – Carsten DREBENSTEDT**

Technische Universität Bergakademie Freiberg, Germany

*Environmental Management – from Mineral Exploration to Mine Closure*

**4:20-4:35 p.m. – T. Jakubowski, R. Bednarz**

The Famur Group, Poland

*Meeting the Challenges of 21<sup>st</sup> Century Mining Famur Group*

**4:35-5:00 p.m. – Coffee break**

**5:00-5:20 p.m. – Michael KARMIS\*, Scott KEIM\*\***

(paper presented by **Hans E. Naumann\*\***)

\*Virginia Tech, Blacksburg, Virginia, USA

\*\*Marshall Miller & Associates, Bluefield, Virginia, USA

*The Future of Coal – a USA Perspective*

**5:20-5:40 p.m. – Maksymilian KLANK**

European Association for Coal and Lignite, Poland  
*Future of Coal – from European Perspective*

**5:40-6:00 p.m. – R.N. SINGH\*, A.S. ATKINS\*\*, D. MAMUREKLI\*\*\*, M. MAMUREKLI\***

\*University of Nottingham, United Kingdom

\*\*Staffordshire University, United Kingdom

\*\*\*Celal Bayar University, Turkey

*Review of the coal mining industry in the UK 2008*

**6:00-6:20 p.m. – Antoni TAJDUŚ, Marek CAŁA**

AGH University of Science and Technology, Poland

*Trends and Perspective of Polish Mining Industry*

**6:20-6:30 p.m. – Discussion**

**6:30 - 8:00 p.m. – Dinner**

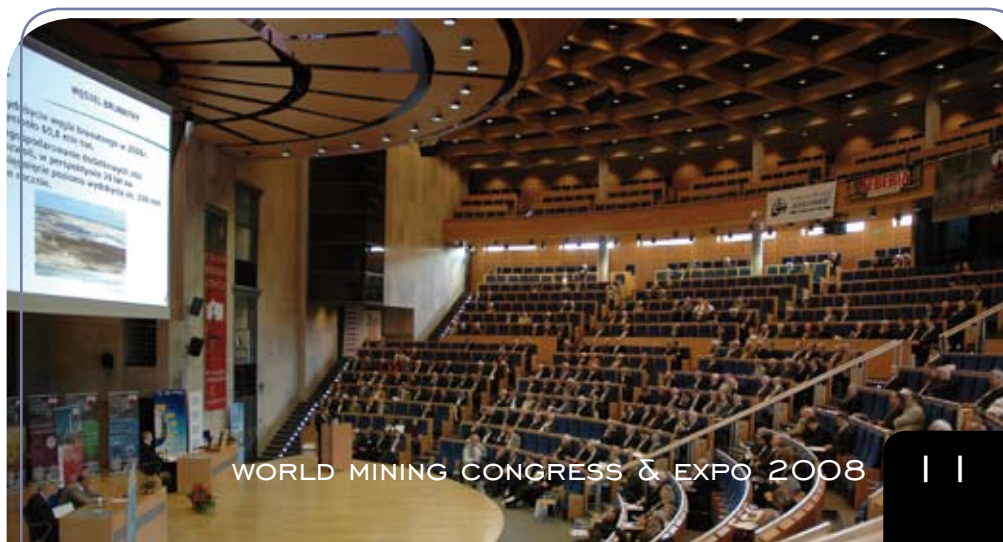
**8:00 p.m. – Official parade from Auditorium Maximum of the Jagiellonian University starts**

**8:30 p.m. – Performance Mining Traditions – "Jump over a leather apron", The Main Square**

The culmination point of the accompanying events to 21<sup>st</sup> World Mining Congress is an open air artistic event performed against the background of Cracovian market Mining Traditions – "Jump over a leather apron".

Event programme envisages evening parade of the participants of the Congress and invited guests in the light of the torches from the building of Auditorium Maximum of the Jagiellonian University to the Townhall in the Market Square where artistic performance showing the beauty of Polish and European mining traditions will take place.

AUDITORIUM MAXIMUM,  
GRAND HALL



9<sup>TH</sup> SEPTEMBER 2008  
DAY 3, TUESDAY

World Mining Expo Exhibition,  
Expo Silesia, Sosnowiec  
Braci Mieroszewskich str. 124

**9:00 A.M.**

**MEETING OF THE PARTICIPANTS OF EXTERNAL SESSIONS S8 (BEŁCHATÓW) AND S7 (LUBIN)**

Main Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.

**9:15-10:00 A.M.**

**EVERY 15 MINUTES DEPARTURE OF COUCHES TAKING THE PARTICIPANTS OF THE CONGRESS TO WORLD MINING EXPO EXHIBITION IN SOSNOWIEC**

Couches will be waiting at Auditorium Maximum of the Jagiellonian University, Krupnicza str. and at the same time at Cracovia and Sheraton hotels.

ATTENTION: boarding the couch and entering the exhibition is possible after displaying Congress Identification Badge!

**10:00 A.M. - 4.00 P.M.**

**WORLD MINING EXPO EXHIBITION OPEN FOR VISITORS**

11.00 a.m. -12:00 p.m. – official opening of the exhibition by Prime Minister Waldemar Pawlak with the participation of invited guests

12:00-12.30 p.m. – visiting exhibition by official delegation

1:00-3:00 p.m. – lunch for congress guests, Banquet pavilion

2:00 p.m. – Kopex company press conference

**2:00 p.m.** – **departure of S8 session to Bełchatów**

**2:30 p.m.** – **departure of S7 session to Lubin**

4:00 p.m. – departure of couches to Katowice (Spodek Hall)

4:30-7:00 p.m. – banquet for the participants of the Congress and Exhibitors on the invitation of the Mayor of Katowice Piotr Uszok. The programme includes:

□ Performance of Female Brass Orchestra KWK „Staszic”

□ Performance of Big Band of Rozrywka Theatre

7:00 p.m. – Departure of couches to Krakow

**S8 (BEŁCHATÓW):**

6:00 p.m. – Arrival in Bełchatów

7:00 p.m. – Accommodation

8:00 p.m. – Official dinner

**S7 (LUBIN):**

6:00 p.m. – Arrival in Legnica and accommodation at Qubus hotel

Free time





# Session 1

10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

## NEW TECHNOLOGIES IN MINING

Chairman: **Hans E. NAUMANN**

Co-Chairman: **Piotr CZAJA**

Secretary: **Tomasz NIEDOBA**

GH A – A Part of the Grand Hall in AM

Auditorium Maximum of Jagiellonian University, Krupnicza str.

### Block A: New technologies in mining – Equipment

9:00-9:15 a.m. – **Artur MAZUR**

DFM ZANAM-LEGMENT Spółka z o.o, Poland

*Application of mechatronic system in wheel mine loaders*

9:15-9:30 a.m. – **Martin JUNKER**

Ruhrkohle-AG, Germany

*Intelligent Machines and Systems in the German Hard Coal Mining Industry*

9:30-9:45 a.m. – **Emanuel Z. MANOS**

Detroit Salt Company, USA

*Controlling diesel particulate matter exposures underground using Soy Bio-Diesel*

9:45-10:00 a.m. – **A. A. REPIN, S. E. ALEKSEEV**

Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia

*Air-Per percussion Reamer – Experience Practice and Future Prospects*

10:00-10:15 a.m. – **Jörg ARLOTH, Armin HELLER**

PC-Soft GmbH, Siemens, M-Tec 2 GmbH, Germany

*Technical management of conveying systems based on the example of the SIEMAG M-Tec<sup>2</sup> shaft hoisting system project at the Gotthard Base Tunnel*

10:15-10:30 a.m. – **Discussion and comments**

10:30-11:00 a.m. – **Coffee break**

### Block B: New technologies in mining – Extraction

11:00-11:15 a.m. – **K.N. TRUBETSKOY, YU.P. GALCHENKO, G.V. SABYANIN**

Institute of Problems of Complex Development of Bowels of the Earth of the Russian Academy of Sciences, Russia

*Concept of subsurface development of bowels of the earth on the basis of "framework" geotechnology*

11:15-11:30 a.m. – **G.G. PIVNYAK, Y.A. KYRYCHENKO, V.P. FRANCHUK**

National Mining University, Ukraine

*Problems of deep-water hydraulic lifting of solid mineral resources*

11:30-11:45 a.m. – **P. AFZAL, M. NIKZAD, D. KAVEH**

Islamic Azad University, Iran

*Exploration of valuable evaporate minerals in Central Iran*

11:45-12:00 a.m. – **P. VIHANTO, M. VANHANEN-RIEKKOLA**

Talvivaara Project Ltd., Finland

*Talvivaara Mine Finland – Bioheap leaching of polymetallic Ni-ore in subarctic climate*

12:00 a.m. - 12:15 p.m. – **V.V. NOVIKOV, A.V. KORZAKOVA**

EGONT Ltd., Russia

*Alternative technology exploitation of mineral deposits*

12:15-12:30 p.m. – **Garry G. LITVINSKY**

The Donets Basin State Technical University, Alchevsk, Ukraine

*The scientific doctrine of manless mining "The 21<sup>st</sup> century Pit"*

12:30-12:45 p.m. – **H. COPUR, C. BALCI, N. BILGIN, D. TUMAC**

Istanbul Technical University, Mining Engineering Department, Turkey

*Laboratory cutting tests for performance prediction of chain saw machines*

12:45-1:00 p.m. – **Discussion and comments**

1:00-3:00 p.m. – **Lunch**

### Block C: New technologies in mining – Development

3:00-3:15 p.m. – **Anatoliy A. KOZHEVNIKOV, Anatoliy D. BEGUN**

National Mining University, Ukraine, "Volkovgeology" Co. Ltd, Almaty, Kazakhstan Republic

*Well boring impulse technologies are the technologies of the 21<sup>st</sup> century*

3:15-3:30 p.m. – **Tomasz BIAŁOŻYT, Wojciech BOCHENEK, Henryk PASSIA, Tadeusz SMOŁA, Adam SZADE, Mariusz SZOT**

Central Mining Institute, Poland

*New developments of laser-based measuring equipment for control of the condition of vertical and horizontal mine workings and structures in mining-affected areas*

3:30-3:45 p.m. – **Sergo KHOMERIKI, Rudolf MIKHELSON, Hossein TUDESHKI, Davit KHOMERIKI, Stefan ROSSBACH, Khatia DZEBISASHVILI**

L.P.P.L. G. Tsulukidze Mining Institute, Georgia

*Development of technology and creation of industrial explosives based on waste military ammunition*

3:45-4:00 p.m. – **Volodymyr I. BONDARENKO, Volodymyr S. FALSHTYNSKIY, Roman O. DYCHKOVSKIY, Józef DUBIŃSKI, Jan WACHOWICZ**

(1-3) National Mining University, Ukraine, (4-5) Central Mining Institute, Poland

*Parameters of the temperature distribution in the rock mass containing underground gas - generator*

4:00-4:15 p.m. – **A.N. SHABAROV, N.V. KROTOV, D.V. SIDOROV, S.V. TSIREL**

Scientific Centre of Geomechanics and Mining Operations Problems of SPMI,

Saint Petersburg, Russia

*Modern methods and means for solving forecast issues and prevention of geodynamic phenomena in collieries*

4:15-4:30 p.m. – **Discussion and comments**

4:30-5:00 p.m. – **Coffee break**

### Block D: New technologies in mining – Processing and education

5:00-5:15 p.m. – **Marek DOHNALIK, Jadwiga ZALEWSKA, Grażyna SIKORA**

Oil and Gas Institute, Krakow, Poland

*3D Characteristics of Internal Pore Structure of Rock Samples Using X-Ray Microtomography*

5:15-5:30 p.m. – **E. ZIMMERMANN, C. NIEMANN-DELIUS**

Department of Surface Mining and Drilling, Aachen University, Germany

*Upgrading of low rank coals properties by microwave treatment*

5:30-5:45 p.m. – **D. JENIĆ, M. STJEPANOVIĆ, Z. STANISAVLJEVIĆ, D. GUZIJAN, P. GOLUBOVIĆ, B. DROBNJAKOVIĆ**

RTB – Bor, Engineering Academy (JINA), GEOING – Belgrade, IRMA – Belgrade, IRM – Bo, Serbia

*Application of new technologies for discharging tailings from the open pit and flotation plants of the copper mine in RTB-BOR, Serbia for the purpose of improving the environmental protection*

5:45-6:00 p.m. – **V.S. LITVINENKO, I.N. BELOGLAZOV, A.G. AFANASYEV, A.I. MIKHEYEV**

Mining Institute, Sankt Petersburg, Russia

*Milestones of development of the Mining Institute*

6:00-6:15 p.m. – **Antoni TAJDUŚ, Andrzej WICHUR, Piotr CZAJA**

AGH University of Science and Technology, Poland

*Higher education at AGH-University of Science and Technology in Krakow for the needs of mining industry*

6:15-6:30 p.m. – **E. GUCLU, İ.E. ONSAL, T. HUDAVERDI, C. KUZU, G. ONAL, G. OKTEN**

Istanbul Technical University, Mining Engineering Department, Turkey

*The experimental pit project of the Faculty of Mines at Istanbul Technical University*

6:30-6:45 p.m. – **Closing Session 1**

8:00 p.m. – **Banquet**

Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)

**10<sup>TH</sup> SEPTEMBER 2008  
DAY 4 (WEDNESDAY)**

**GH B - B Part of the Grand Hall in AM  
Auditorium Maximum of Jagiellonian University, Krupnicza str.**

## **Session 2**

### **METHODS OF UNDERGROUND AND OPEN PIT MINING**

Chairman: **Partha S. BHATTACHARYYA**

Co-Chairman: **Waldemar KORZENIOWSKI,  
Stefan KUKIAŁKA**

Secretary: **Krzysztof SKRZYPKOWSKI**

**9:00-9:15 a.m. – S. D. FLOOK, J. J. LEEMING**

Sales & Marketing Director Joy Eurasia United Kingdom

*Recent Developments In Longwall Mining Entry Development, and Room and Pillar Systems*

**9:15-9:30 a.m. – M.V. KURLENYA, V.I. KLISHIN, B. KUBANYCHBEK**

Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia

*Pressure control and top coal drawing by powered machine complexes in mining at thick coal seams*

**9:30-9:45 a.m. – P. CICMANEC, J. HRABOVSKI, J. DUROVE**

Upper Nitra Mines of Prievidza, Technical University of Kosice, Slovakia

*Mechanized Mining of Tight Coal Seams into Complicated Geological and Underground Conditions*

**9:45-10:00 a.m. – G. ÖNAL, F. BURAT**

Istanbul Technical University, Faculty of Mines, Mineral Processing Engineering Department, Turkey

*Boron mining and processing in Turkey*

**10:00-10:15 a.m. – W. KOZIOŁ, P. KAWALEC, A. KABZIŃSKI**

AGH University of Science and Technology, Poland

*Production of aggregates in European Union*

**10:15-10:30 a.m. – M. KONESHLOO**

Technical University of Shahrood, Shahrood, IRAN  
*Modeling of the kaolin deposits and reserve classification challenges of Charentes Basin, France*

**10:30-11:00 – Coffee break**

**11:00-11:15 a.m. – A. MEDER, T. MAZUR-KIEWICZ**

KOMAG Mining Mechanization Centre, Silesian University of Technology, Poland

*Innovative Machines in the Conditions of Sustainable Development*

**11:15-11:30 a.m. – A. AGHAJANI BAZZAZI, M. OSANLOO, H. SOLTANMOHAMMADI**

Department of Mining Engineering Islamic Azad University, Iran

*Loading-haulage equipment selection in open pit mines based on fuzzy TOPSIS method*

**11:30-11:45 a.m. – R. ZIMRÓZ**

Wroclaw University of Technology, Poland

*Adaptive approaches for condition monitoring of mining machines*

**11:45-12:00 a.m. – J. M. CZAPLICKI**

Silesian University of Technology, Poland

*The analysis and calculation procedure for shovel-truck systems with a crusher and conveyors*

**12:00-12:15 p.m. – W. KAWALEC**

Institute of Mining Engineering, Wroclaw University of Technology, Poland

*Modeling of transportation costs for alternative Life-Of-Mine plans of continuous surface lignite mines*

**12:15-12:30 p.m. – W. BATKO, W. CIOCH**

AGH University of Science and Technology, Poland

*The New Method Diagnostics of Steelwork in Pit Shaft*

**12:30-12:45 p.m. – V.G. CHERVATYUK, V.V. VASILYEV, V. V. BUZYLO, I.A. KOVALEVSKA**

SC Pavlogradvugilla, Ukraine

*The Modern Aspects Of The Anchor Fastening Use In The Environment Of Sc Pavlogradvugilla*

**1:00-3:00 p.m. – Lunch**

**3:00-3:15 p.m. – S.V. MUCHNIK, V.N. OPARIN**

Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia

*Experience and prospects of turbo-blasting at open-pit mines*

**3:15-3:30 p.m. – Z. ZHIYU, L. LONGFA, Y. ZHIQIANG, M. YANGANG**

Kunming University of Science and Technology, China

*Experimental study for improving the blasting effects of Baideng phosphorus open-cut by initiation in borehole sequence*

**3:30-3:45 p.m. – R. MIKHELSON, S. KHOMERIKI, D. KHOMERIKI, K. DZEBISASHVILI, H. TUDESHKI, S. ROSSBACH**

L.P.P.L.G. Tsulukidze Mining Institute, Georgia

*The Computer Program of Designing Drilling and Blasting Operations in Open-cast mine*

**3:45-4:00 p.m. – P. K. SINGH, M. P. ROY, A. SINHA**

Central Institute of Mining & Fuel Research, India  
*Study on the impact of opencast blasting on surrounding structures in environmentally sensitive areas*

**4:00-4:15 p.m. – A. SOFTIC, Z. BASIC, A. BRIGIC, E. LACIC**

Brown Coal Mining Company Banovici, Bosnia and Herzegovina

*Decrease Of Blasting Seismic Effects On Open Pits In Coal Mine „Banovići”*

**4:15-4:30 p.m. – T. KURAKAMI, J. YAMATOMI, R. SATO, Y. SAGAWA, S. MURAKAMI**

Sumitomo Metal Mining Co. Ltd., Japan

*Mining with Backfill at the Hishikari Mine, Japan*

**4:30-5:00 – Coffee break**

**5:00-5:15 p.m. – W. FANG-HAN, Y. ZHONG-LIANG, C. WEI-QIN**

Changsha Institute of Mining Research, China  
*Theory of and Practice in Cemented Filling with Unclassified Tailings Structure Fluid.*

**5:15-5:30 p.m. – X. LI, Z. ZHOU, G. ZHAO, Z. Liu, Y. AZIMI, S.H. KHOSHROU, M. OSANLOO, K. SHAHRIAR**

School of Resources and Safety Engineering, Central South University, China

*Utilization of phosphogypsum for backfilling, way to relieve its environmental impact*

**5:30-5:45 – M. YUMLU**

AMC Consultants Pty Ltd., Australia

*Barricade Pressure Monitoring in Paste Backfill*

**8:00 p.m. – Banquet at Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)**

# Session 3

## UNDERGROUND MINE ENVIRONMENT

10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

Small Hall / Medium Hall: Part- B  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

### Blok 3.3: Ventilation & Mine Fires Small Hall

Chairman: **R.N. SINGH**  
Co-Chairman: **Stanisław WASILEWSKI**  
Secretary: **Marek BOROWSKI,**  
**Dariusz OBRACAJ**

#### 11:00-11:10 a.m. – Henryk BYSTRON

Central Mining Institute, Poland

*The thermodynamic approach to the safety state assessment of a ventilation system of a deep mine using underground main fan*

#### 11:10-11:20 a.m. – Nikodem SZŁĄZAK, Dariusz OBRACAJ, Marek BOROWSKI

AGH University of Science and Technology, Poland

*Methods for controlling temperature hazard in polish coal mines*

#### 11:20-11:30 a.m. – Stanisław WASILEWSKI

AGH University of Science and Technology, Poland

*Development of gas hazard monitoring systems in polish hard coal mines*

#### 11:30-11:40 a.m. – Władysław CIERNIAK, Waclaw DZIURZYŃSKI, Andrzej KRACH, Janusz KRAWCZYK

Instytut Mechaniki Górniczej PAN, Poland

*Distribution of velocity of flow of air in the inlet channel of a main fan*

#### 11:40-11:50 a.m. – Janusz KRUCZKOWSKI

Instytut Mechaniki Górniczej PAN, Poland

*A system for continuous measurement of volumetric rate of unsteady flow of air in workings of deep mines*

#### 11:50-12:00 a.m. – Józef SUŁKOWSKI, Dariusz MUSIOŁ

Politechnika Śląska, Poland

*Effect of bed splitting on fighting aerologic hazards in exploitation sections of hard coal mines*

#### 12:00-12:10 p.m. – AN VIJAY KUMAR SINGH, DURGA DUTT TRIPATHI, VIRENDRA KIMAR SINGH

Central Institute of Mining & Fuel Research, India

*Evaluation of suitable technology for prevention and control of spontaneous heating/fire in coal mines*

#### 12:10-12:20 p.m. – WU CHAO, LI ZIJUN, YANG FUQIANG, GU DESHENG

School of Resources and Safety Engineering, National Research Center of Safety Science

and Technology for Metal Mines, Central South University, China

*Risk forecast of spontaneous combustion of sulfide ore dump in a stope and controlling approaches of the fire*

#### 12:20-12:40 p.m. – Borys POBOROWSKI, Lachlan CUNNINGHAM

Solid Energy North, New Zealand

*Managing the spontaneous combustion hazard in sub-bituminous underground coal mine*

#### 12:40-12:50 p.m. – Tomasz GRZYCHOWSKI

Silesian University of Technology, Poland

*Hazard assessment based on fuzzy logic*

#### 12:50-1:00 p.m. – Discussion and comments

#### 1:00-3:00 p.m. – Lunch

### Blok 3.2: Ground control and rock bursts Small Hall

Chairman: **Ray DURRHEIM**  
Co-Chairman: **Zenon PILECKI**  
Secretary: **Jerzy KŁOSIŃSKI**

#### 3:00-3:25 p.m. – Anatoly A. KOZYREV, Victor I. PANIN, Yuliya V. FEDOTOVA

Mining Institute KSC RAS, Apatity, Russia

*The geodynamic evolution of the geological medium in the area of large-scale mining*

#### 3:25-3:40 p.m. – Grzegorz MUTKE

Central Mining Institute, Poland

*Stability of the underground mine workings in the near-field zone of seismic events*

#### 3:40-3:55 p.m. – Augustyn HOLEKSA, Mieczysław LUBRYKA, Ryszard SKATUŁA, Zbigniew SZREDER

„JAS-MOS” COAL MINE, Poland

*Exploitation of deposit 510/1 through longwall 22A in lot Z3 at “JAS-MOS” Coal Mine in the conditions of significant seismic activity Jas-Mos Coal Mine JSW S.A.*

#### 3:55-4:10 p.m. – G.I. GRUTSKO

Russian Academy Sciences, Russia

*Multidisciplinary approaches in researches of methane out-bursts and explosions in coal mines*

#### 4:10-4:30 p.m. – Małgorzata WYSOCKA, Krystian SKUBACZ, Bogusław MICHALIK, Stanisław CHAŁUPNIK

Central Mining Institute, Poland

*Radiation protection in Polish coal mines – system of*

*monitoring and control of the hazard*

#### 4:30-5:00 p.m. – Coffee break

### Blok 3.4: Work Safety in Mining Small Hall

Chairman: **Shanti K. CHOWDHARY**  
Co-Chairman: **Kazimierz LEBECKI**  
Secretary: **Mariusz KAPUSTA**

#### 5:00 - 5:10 p.m. – Yibo WANG

North China Institute of Science and Technology, China University of Mining & Technology, China

*Wild application of nonlinear science will be important aspect in development of coal mine technology*

#### 5:10-5:20 p.m. – M. BAGINSKI

Central Mines Rescue Station, Poland

*Autonomous respiratory protection equipment vs. provision of mining rescue services, protective emergency escape device - quality and efficiency*

#### 5:20-5:30 p.m. – J. PUKKILA, P. SÄRKKÄ

Helsinki University of Technology, Espoo, Finland

*Risk assessment in underground mines*

#### 5:30-5:40 p.m. – B. NIEMIEC, P. ROSMUS, A. TROJNAR

Central Mining Institute, Poland

*The indices for assessing effectiveness of safety management systems in Polish collieries*

#### 5:40-5:50 p.m. – R. SCHUMACHERS

Central Division of Occupational Health, Safety and Environment of RAG, Aktiengesellschaft, Germany

*Mine safety – a fundamental success parameters for coal mining in Germany*

#### 5:50-6:00 p.m. – A. AGHAJANI, A. BAZZAZI, M. OSANLO, Y. AZOUNI

Department of Mining Engineering, Islamic Azad University, Iran

*An empirical formula for fly rock prediction in Esfordi Phosphate Mine of Iran*

#### 6:00-6:10 p.m. – A. FISNE, G. ÖKTEN

Istanbul Technical University, Turkey

*Occupational noise exposure assessment for underground coal mine workers in Turkey*

#### 6:10-6:20 p.m. – J. COLINET, J.P. RIDER, E.D. THIMONS

Niosh, USA

*Controlling respirable dust in underground coal mines in the United States*



# 10<sup>TH</sup> SEPTEMBER 2008 DAY 4, WEDNESDAY

Small Hall / Medium Hall: Part- B  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

## Session 3

### UNDERGROUND MINE ENVIRONMENT

**6:20-6:30 p.m. – O. OZBAYZOGLU, S. KARAKAS**

Middle East Technical University, National Boron  
Research Institute, Turkey  
*Human fertility and Boron*

**6:30-6:40 p.m. – Al. L. CHOBANOV**

ASSAREL – MEDET ISC, Bulgaria  
*The company policy for providing of health and  
safety labor conditions*

**6:40-6:50 p.m. – J. MARTYKA**

Central Mining Institute, Poland  
*Safety culture in the process of improvement and  
verification of safety management systems*

**6:50-7:00 p.m. – K. LEBECKI, P. ROSMUS**

Central Mining Institute, Poland  
*Quantitative risk assessment of natural hazards in  
mining based on EN-61508 methodology*

#### **Blok 3.1: Methane Treatment Middle Hall B**

**Chairman: Jayne SOMERS**

**Co-Chairman: Jacek SKIBA**

**Secretary: Bartosz JURA**

**3:00-3:15 p.m. – Opening ceremony**

**Chairman: Jayne SOMERS (EPA), USA**

#### **Introduction into CMM activities**

**3:15-3:30 p.m. – Joachim BRANDT, Erwin KUNZ**

DMT GmbH, Germany  
*Gas Drainage in High Efficiency Workings in German  
Coal Mines*

**3:30-3:45 p.m. – Krzysztof CYBULSKI, Eugeniusz**

**KRAUSE, Krystian WIERZBIŃSKI, Poland**  
Central Mining Institute, Poland  
*Modelling of methane concentration distribution  
in the longwall environment in the air roadway  
area*

**3:45-4:00 p.m. – Marek KWAŚNIEWSKI, Stani-  
sław LASEK, Poland**

Faculty of Mining and Geology, Silesian University  
of Technology; Katowice Coal Holding Company,  
Murcki Colliery, Poland  
*Numerical analysis of methane migration from floor  
strata to a longwall face*

**4:00-4:15 p.m. – Andrzej TOR, Henryk BADURA,  
Antoni JAKUBOW**

Jastrzebie Coal Mining Company, Poland  
*Application of statistic predictions for evaluation of  
methane inflow in longwall*

**4:15-4:30 p.m. – A. ALEXEEV, B. GRYADUSHCHII**

Institute for Physics of Mining Processes, Ukraine  
*Occurrence forms of methane in fossil coals*

**4:30-5:00 p.m. – Coffee break**

**5:00-5:15 p.m. – D.V. Rudakov & I.O. Sadovenko**  
National Mining University, Ukraine  
*Modeling of Coalbed Methane Migration in Mined  
Out Rocks*

**5:15-5:30 p.m. – Paweł BARAN, Stanisław  
HOŁDA, Jan MACUDA, Adam NODZEŃSKI,  
Ludwik ZAWISZA**

AGH University of Science and Technology, Poland  
*Desorption of methane from selected lignite coals in  
the aspect of processes of gas liberation from coal*

**5:30-5:45 p.m. – MA SHANGQUAN, Chen  
XUEXI, Wang YIBO, Zhang CHAO**

Changsha Institute of Mining Research, China  
*Experimental Study on Hole Sealing Technique for  
mensurating gas content in Coal Seam*

**5:45-6:00 p.m. – Discussion and comments**

**8:00 p.m. – Banquet at Auditorium Maximum  
Jagiellonian University, Krupnicza str.,  
The Restaurant Hall (Level -1)**



KOPALNIA POMORZANY,  
ZGH BOLESŁAW

fot. Krzysztof Boniecki – ZGH Bolesław



## Session 4

### INFORMATION TECHNOLOGY IN MINING

Chairman: **Magnus ERICSSON**  
Co-Chairman: **Teodor WINKLER**  
Secretary: **Jarosław TOKARCZYK**

**9:00-9:15 a.m.** – V.I. BONDARENKO, I.A. KOVALEVSKA, G.A. SIMANOVICH, O.I. KOVAL  
National Mining University, Ukraine  
*Computer modeling of mine working close on movement of coal contained rocky massive*

**9:15-9:30 a.m.** – Y.B. GRYADUSHCHIY, R.O. DYCHKOVSKYY, A. DYCZKO, V. V. RUSKYCH  
National Mining University, Ukraine  
*Software Simulation in the thin coal seams mining*

**9:30-9:45 a.m.** – P. AFZAL, R. ALVAN DARESTANI, D. KAVEH AHANGARAN  
Hampa Behineh Consultant Engineers, Iran  
*3D Modeling and reserve evaluation of mineable coal seams in East Parvadeh coal deposit, Tabas, Central Iran*

**9:45-10:00 a.m.** – N. DOBRIȚOIU, F. BUȘE, I.N. TIUZHĂIAN  
University of Petrosani Romania, Romania  
*Numerical Model for Generating Hidden Surfaces Applicable in the Process of Field Knowledge*

**10:00-10:15 a.m.** – M. MONJEZI, M. HESAMI, H. DEGHANI  
Tarbiat Modares University, Iran  
*Pillar Stress Prediction in Bord and Pillar Method Using Artificial Neural Networks*

#### SESSION SPONSORED BY:



**10:15-10:30 a.m.** – G. MASSACCI, V. DENTONI, B.D. RADWANER-BAK  
University of Cagliari, Carpathian Branch, Italy, Polish Geological Institute, Poland  
*Visual Impact of Surface Mining and Quarrying*

**10:30-10:45 a.m.** – KRZYSZTOF KOMOROWSKI  
IBM Poland  
*Does it matter in mining? Managing the change to achieve the value promised by the solution*

#### 10:45-11:00 Coffee break

**11:00-11:15 a.m.** – E. WIDZYK-CAPEHART, D. HAINSWORTH, J. CUNNINGHAM  
CSIRO National Research Flagship, Minerals Down Under, QLD Centre for Advanced Technologies (QCAT), Australia  
*The Future Mine: CSIRO Transformational Advances in Ore Extraction and Sensing Technologies*

**11:15-11:30 a.m.** – T. WINKLER, M. SCHMID  
KOMAG Mining Mechanization Centre, Gliwice, Poland  
*Interactive 3D supports underground repair and maintenance of road heading machines and shearer loaders*

**11:30-11:45 a.m.** – T. WINKLER, J. JASZCZYK, D. MICHALAK, J. TOKARCZYK  
KOMAG Mining Mechanization Centre, Gliwice, Poland  
*Application of computer modeling and visualization*

*methods in the life cycle of mining machines and equipment*

**11:45-12:00 a.m.** – Z. KOSZOWSKI, J. HORODECKI, J. SYRKIEWICZ  
Centralny Ośrodek Informatyki Górnictwa S.A. Katowice, Poland  
*Computer-aided Production Planning Process in the Hard Coal Mining*

**12:00-12:15 p.m.** – R. MICHALSKI\*, A. DYCZKO\*\*  
\*Konin Brown Coal Mine at Kleczew S.A., Poland  
\*\* Mineral and Energy Economy Research Institute of Polish Academy of Sciences, Poland  
*Decision-making support system in the area of costs' planning and execution of operational targets – case study exemplified by a brown coal mine*

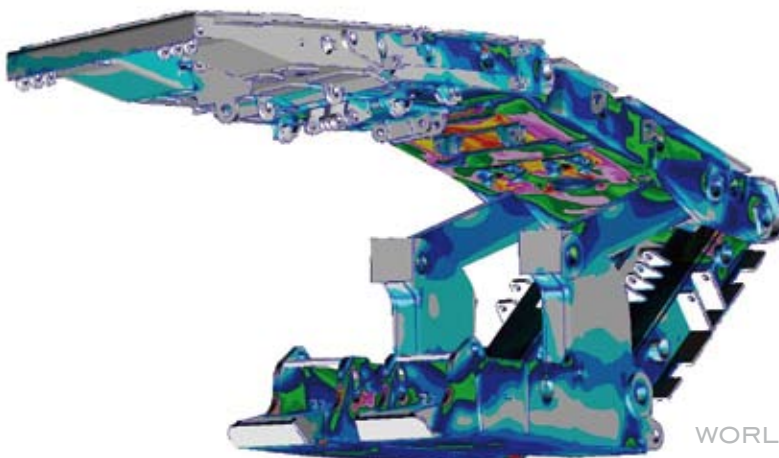
**12:15-12:30 p.m.** – K. HOŁODNIK, W. KAWALEC  
Instytut Górnictwa Politechniki Wrocławskiej, Poland  
*The use of an integrated mining software environment demanded competency of a modern mining engineer*

**12:30-12:45 p.m.** – Gurdeep SINGH, Arun Kumar SHUKLA  
Indian School of Mines University, India  
*ENVIS Centre on 'Environmental Problems of Mining' (MIN-ENVIS)*

**12:45-1:00 p.m.** – P. Wojtas, J. WOJCIECHOWSKI T. WAŁACH, D. CAŁA  
Centrum Elektryfikacji i Automatykacji Górnictwa, EMAG, Katowice, Poland  
*Computer Science applied to central mine control station systems in the Polish Hard Coal Mines*

**1:00-3:00 – Lunch**

**8:00 p.m.** – Banquet at Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)



10<sup>TH</sup> SEPTEMBER 2008  
DAY 4 (WEDNESDAY)

The Seminary Hall  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

## Session 5

### SUSTAINABLE DEVELOPMENT IN MINING INDUSTRY

Chairman: **Viktor A. KHARCHENKO**

Co-Chairman: **Wiktoria SOBCZYK**

Secretary: **Anna Ostręga, Radosław POMYKAŁA**

**9:00 a.m. – Opening ceremony: Co-Chairman Wiktoria SOBCZYK**

#### Block 1

Chairman: **Monika HARDYGÓRA**

**9:10-9:30 a.m. – Hana GILLAROVÁ**

Czech University of Life Sciences of Prague, Faculty of Environmental Sciences, Czech Republic  
*Landscape memory as a solution of the ecological stability of the territory after mining*

**9:30-9:50 a.m. – Jorge GAVRONSKI**

Companhia Riograndense de Mineracao, Brazil  
*Drifts for Electrical Power Generation in Brazil*

**9:50-10:10 a.m. – Vlasta LICKOVÁ, Karel HOUDEK, Miroslav MARTIŠ**

Czech University of Life Sciences of Prague, Faculty of Environmental Sciences, Czech Republic  
*Evaluate of scenarios of renewal Lake Medard*

**10:10-10:30 a.m. – Nadil BERBIC, Amir BRIGIC, Admir SOFTIC**

University of Tuzla, Bosnia and Herzegovina  
*Analyze and possibility of soil embankment and forest belt application as a noise barrier at open pit mine*

**10.30-11.00 a.m. – Coffee break**

#### Block 2

Chairman **Nadil BERBIC**

**11:00-11:20 a.m. – Nobuyuki MASUDA**

Japan Oil, Gas and Metals National Corporation (JOGMEC), Japan  
*Applied technologies to prevent environmental risks after mine closure in Japan and future perspectives*

**11:20-11:40 a.m. – Monika HARDYGÓRA, Gabriela PASZKOWSKA, Helmut WOLFF**

Wroclaw University of Technology, Poland

*Introduction of the concept of an International Mining Programme in the educational environment of Central Europe*

**11:40-12:00 a.m. – Anatoly GALPERIN, Irina POSTNIKOVA, Alexander KRYUCHKOV**

Moscow State Mining University, Russia  
*Nature preserving formation technologies and further use of man-made massives at KMA-region*

**12:00-12:20 p.m. – Iwona KUCZYŃSKA, Anna BEDNAREK, Danuta MARCINKIEWICZ, Tadeusz KOPERSKI**

AGH University of Science and Technology, Ecology of Industrial Areas, Coal Mine „Halemba – Wirek”, Bituminous Coal Mine “Bielszowice”, Polish Hungarian Mining Joint Stock Co. Haldex, Poland  
*Some aspects of converting exploitation waste into marketable products*

**12:20-12:40 p.m. – Jan MACUDA, Ludwik ZAWISZA**

AGH University of Science and Technology, Poland  
*Geochemical analyses of ground air within the hole exploitation of hard coal mine KWK “Morcinek”*

**12:40-1:00 p.m. – Urszula LORENZ, Zbigniew GRUDZIŃSKI**

Mineral and Energy Economy Research Institute of Polish Academy of Sciences, Poland  
*Mercury emission and its content in hard and brown coal*

**1:00-3:00 p.m. – Lunch**

#### Block 3

Chairman: **Jorge GAVRONSKI**

**3:00-3:20 p.m. – Battista GROSSO, Marco CIGAGNA**

Department of Geoengineering and Environmental Technologies, University of Cagliari, Italy

*Tailing basins impermeabilization with electro-osmotic technique*

**3:20-3:40 p.m. – Zbigniew HALAT, Jan Józef HYCINAR**

Max – Eko Sp. z o.o., Poland  
*Properties and utilization of drilling waste*

**3:40-4:00 p.m. – Miranda PTAK**

Regional Mining Council, Wroclaw, Poland  
*The usefulness of selected scientific methods too solves the conflicts of face mining and regions Nature 2000*

**4:00-4:30 p.m. – Discussion and comments**

**4:30-5:00 p.m. – Coffee break**

**5:00-5:20 p.m. – Józef SUŁKOWSKI, Jan DRENDĄ, Zenon RÓŻANSKI, Paweł WRONA**

The Silesian University of Technology, Poland  
*Noticed in mining areas, environmental hazard connected with outflow of gases from abandoned mines and with spontaneous ignition of coal waste dumps*

**5:20-5:40 p.m. – Andrzej ŚLĄCZKA, Zdzisław PISZCZYŃSKI**

Silesian University of Technology, Poland  
*Effect of selected additives on the stability and rheology of Coal-Water Slurry Fuels (CWSF)*

**5:40-6:00 p.m. – Jan LUBAŚ, Marcin WARCHOŁ, Piotr KRĘPULEC, Tadeusz WOLNOWSKI**

Oil and Gas Institute, Krakow, Poland  
*Greenhouse gas sequestration in aquifers saturated by natural gases*

**8:00 p.m. – Banquet at Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)**

# Session 6

## COAL MINING – CHANCES AND CHALLENGES

Chariman: **Jan PALARSKI**  
Co-Chairman: **Renata PATYŃSKA**

# OUTGOING SESSION 10<sup>TH</sup> SEPTEMBER 2008 DAY 4, WEDNESDAY

EMAG  
31 Leopolda str., KATOWICE

### SESSION ORGANIZED BY:



### SESSION SPONSORED BY:



**7:45 a.m.** – Meeting of the participants at the Main Hall of Auditorium Maximum of the Jagiellonian University, Krupnicza str.

**9.45 a.m.** – Arrival in Katowice

**10:00-10:30 a.m.** – **Opening lecture: Jan PALARSKI**  
Silesian University of Technology, Poland  
*Global problems of the hard coal mining*

**10:30-10:45 a.m.** – **M. MYSZKOWSKI, U. PASCH-EDAG**  
Bucyrus DBT, Europe GnbH, Germany  
*Longwall mining in seams of medium thickness - comparison between shearer and plow*

**10:45-11:00 a.m.** – **DOU LINMING, LI ZHIHUA, LU CAIPING, MU ZONGLONG**  
State Key Laboratory of Coal Resource and Mine Safety, China University, China  
*Study of the Influence of Exploitation on Fault Rock Burst in Coal Mine*

**11:00-11:15 a.m.** – **V.N. OPARIN, A.P. TAPSIEV, V.A. USKOV**  
Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia  
*Challenges and new engineering solutions on modernization of underground productive mines*

**11:15-11:30 a.m.** – **S.B. TULUB, G.G. PIVNYAK**  
Ministry of Coal Industry of Ukraine, Ukraine  
*Problems Of Development Of Coal Industry Of Ukraine*

**11:30-11:45 a.m.** – **Z. BĘDKOWSKI, D. KOT, J.KRODKIEWSKI, W. MIRONOWICZ, T. SIKORA**  
Research and Development Centre for Electrical Engineering and Automation in Mining EMAG, Poland  
*Control And Monitoring Of Chosen Technological Processes In Coal Production*

**11:45-12:00 a.m.** – **E. COZMA\*, I. ONICA\*, B. COZMA\*, G. CHIRIL\*\***  
\*University of Petroșani, Romania  
\*\*National Hard Coal Company Petroșani, Romania  
*Coal Mining In The Jiu Valley Basin - Achievements And Expectations*

**12:00-12:15 p.m.** – **B.B. SENOKANE**  
The Department of Systematic Theology and Theological Ethics, South Africa  
*The Eyes Of The Beholder. An Ethical-Social Perspective On New Challenges And Visions For Mining*

**12:15-12:30 p.m.** – **Discussion (key-problems of hard coal mining)**

**12:30-1:30 p.m.** – Lunch

**1:30-2:00 p.m.** – Departure to Mines

**2:00-5:30 p.m.** – Technical Visit in (optional):

- 1. Underground coal mine: KWK Wieczorek Coal Mine, KWK Staszic Coal Mine**
- 2. Experimental Mine "Barbara", Central Mining Institute**
- 3. EMAG**

**6:00-8:00 p.m.** – Mining dinner Cottage under the Linden, „Dworek Pod Lipami”, Katowice Giszowiec

**8:00 p.m.** – Return to Krakow

LUBELSKI WĘGIEL  
BOGDANKA S.A.



foto: Adam Rachel



**OUTGOING SESSION**  
**10<sup>TH</sup> SEPTEMBER 2008**  
**DAY 4, WEDNESDAY**

J. Wyżykowski Hall,  
KGHM Polska Miedź S.A.  
48 M. Skłodowskiej-Curie str., Lubin

**9<sup>th</sup> September 2008**

**9:00 a.m.** – Meeting of the participants at the Main Hall of Auditorium Maximum of the Jagiellonian University, Krupnicza str.

**9:15 a.m.** – departure for World Mining Expo 2008 (Sosnowiec)

**11.00 a.m. - 2.30 p.m.** – Visit to World Mining Expo 2008

**2.30 p.m.** – Departure of session World Mining Expo 2008

**6:00 p.m.** – Arrival in Legnica, accommodation at Qubus hotel

**10<sup>th</sup> September 2008**

**8:00-12:00 a.m.** – trip to the ore mines Lubin, Polkowice-Sieroszowice, Rudna (15 people groups) and the trip underground

**12:00-12:30 p.m.** – Reception

**12:30-4:00 p.m.** – Scientific session

**12:30 p.m.** – Opening of the session and welcome by the – President of the KGHM Polska Miedź S.A.

**12:45-1:00 p.m.** – Herbert Wirth

KGHM Polska Miedź S.A.

KGHM Polska Miedź S.A. leasing producer of copper and silver

**1:00-1:15 p.m.** – Li Aibing\*, Zhou Amin\*, Yin Yanbo\*, Liu Zhengyu\*, Zhou Ping\*, Liu Lanming\*\*, Chen Jiejing\*\*, Yuan Jieping\*\*, Yang Jingsheng\*\*

\*Changsha Institute of Mining Research, Changsha, China

\*\*Hunan Shizhuyuan Nonferrous Metals Corporation, Chenzhou, China

The Caving Mining Safe Control Technology On The Multi-Mined-Out-Areas Conditions Of The Shizhuyuan Polymetallic Mine

**1:15-1:30 p.m.** – A.A. Eremenko\*, V.A. Eremenko\*, T.V. Lobanova\*\*

\*Institute of Mining, Siberian Branch, Russian Academy of Sciences, Novosibirsk, Russia

\*\* OAO Eastern Scientific-Research Ore Mining Institute, Novokuznetsk, Russia

Decrement of Risk and Abatement of Natural and Technogenic Hazards when Mining Iron-Ore Deposits in Gornaya Shoria and Khakasia

**1.30-1.45 p.m.** – D.R. Kaplunov, M.V. Rylnikova, D.N. Radchenko

Research Institute of Comprehensive Exploitation of Mineral Resources, RAS, Russia

Intergrated technologies of ore dressing waste utilization for the efficient backfilling of mined – out areas

**1:45-12:15 p.m.** – Break

**2:15-2:30 p.m.** – Andrzej Rewak\*, Dariusz Kubiak\*, Janusz Reś\*\*, Piotr Gospodarczyk\*\*

\*DFM ZANAM-LEGMET Ltd, based in Polkowice, Poland

\*\*AGH University of Science and Technology in Kraków, Poland

# Session 7

## ORE MINING – TRENDS AND CHALLENGES

Chairman: **Herbert WIRTH**  
Co- Chairman: **Janusz REŚ**  
Secretary: **Wojciech KĘDZIA,**  
**Andrzej KATULSKI**

SESSION ORGANIZED BY:

**KGHM**  
POLSKA MIEDŹ S.A.

*Self-Propelled Haulage Truck – WKPL 30HS With A Modified Drive System*

**2:30-2:45 p.m.** – **Mohammad Karamoozian, Mohammad Reza Moghaddam**

University of Applied Science and Technology- Kerman- Iran

*Flotation Circuit Control Using Latin Hypercube Simulation*

**2:45-3:00 p.m.** – **Georgi Mihaylov**

University of Mining and Geology, Sofia, Bulgaria  
*Alternative Technological Solutions In Underground Ore Mining*

**3:00-3:15 p.m.** – **Susumu Okabe, Jiro Yamatomi, Shinsuke Murakami**

The University of Tokyo, Tokyo, Japan  
*Production Scheduling for Open Pit Operations Considering Metal Price Changes*

**3:15-3:30 p.m.** – **Jan Butra**

*Mining of Copper Ores in Poland*

**3:30-4:00 p.m.** – Discussion

**4:00-4:30 p.m.** – **Guests' presentations**

**4:30 - 7:00 p.m.** – **Mining picnic**

**7:00 p.m.** – **Return to Krakow**

KGHM POLSKA MIEDŹ S.A.





# Session 8

## OPEN PIT MINING – TRENDS AND CHALLENGES

Chairman: **Admir SOFTIC**  
Co-Chairman: **Leszek TLAŁKA**  
Secretary: **Paweł KRZYWORĄCZKA,**  
**Anna SOŁTYS, Józef LIMANÓWKA**

# OUTGOING SESSION

## 10<sup>TH</sup> SEPTEMBER 2008

### DAY 4, WEDNESDAY

**BOT KWB Bełchatów S.A.**  
3 Św. Barbary str., Rogowicz

#### SESSION ORGANIZED BY:



PGE KWB Bełchatów S.A.

#### 9<sup>th</sup> September 2008

**9:00 a.m.** – Meeting of the participants at the Main Hall of Auditorium Maximum of the Jagiellonian University, Krupnicza str.

**9:15 a.m.** – departure for World Mining Expo Exhibition

**11:00 a.m. – 2:00 p.m.** – Visit to World Mining Expo Exhibition

**2:00 p.m.** – Departure of session to Bełchatów

**7:00 p.m.** – Arrival in Bełchatów, accommodation at the hotel

**8:00 p.m.** – Dinner

#### 10<sup>th</sup> September 2008

**7:00-7:45 a.m.** – Breakfast

**8:00-8:15 a.m.** – Session opening

**8:15-8:40 a.m.** – Opening lecture (PGE)

**8:40-8:55 a.m.** – **Z. KASZTELEWICZ, J. KLICH, W. KOZIOŁ, M. ZAJĄCZKOWSKI, K. KOZIOŁ**  
AGH University of Science of Technology, Poland  
*Lignite industry in Poland – prospects of development in 21<sup>st</sup> century*

**9:00-9:15 a.m.** – **V. RAVIKUMAR, R. DEIVAM, R. PARAMASIVAM**  
Nevveli Lignite Corporation Ltd., India  
*Neyveli lignite mining – technical development a case study*

**9:20-9:35 a.m.** – **N. VALKANOV, IV. RUSINOV, N. BONEV, ST. TOPALOV, K. BOEV, S. TOKMAK-CHIEV**  
Minstroy Holding, University of Mining and Geology, Bulgaria  
*A bilateral contract in power system from the European Union – tasks, challenges and prognoses*

**9:40-9:55 a.m.** – **S. STRUNK**  
RWE Power – Open cast mine Hambach, Germany

*Optimizing the production of problematic overburden at the Hambach opencast mine*

**10:00-10:15 a.m.** – **L. JURDZIAK**  
Wroclaw University of Technology, Poland  
*Bilateral monopoly of a lignite mine and a power plant in the short run*

**10:20-10:40 a.m.** – **Coffee break**

**10:45-11:00 a.m.** – **D. FODOR, M.LAZAR & I. ROTUNJANU, V.O. SCORTARIU, N. POPESCU**  
University of Petrosani, Romania  
*Exploitation and revaluation of lignite deposits in Oltenia*

**11:05-11:20 a.m.** – **S.YA. LEVENSON, L.I. GEND-LINA, YU. I. EREMENKO**  
Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia  
*Operational back-ground and the outlook for the vibration machine equipped with an elastic executor in the mining industry*

**11:25-11:40 a.m.** – **A.R. MATTIS, V.I. CHESKIDOV, V. N. LABUTIN AND G. D. ZAITSEV, A.A. KRAGEI**  
Institute of Mining, Siberian Branch, Russian Academy of Sciences, Russia  
*Blast-free technology for opencast mining technique and area of effective application*

**11:45-12:00 a.m.** – **A. Ekrem Yüce, Fırat Burat, Fırat Karakaş, Mustafa Özer, Vecihi Gürkan, Güven Önal**

Istanbul Technical University, Turkey  
*Recovery of nickel and iron from Albanian lateritic Fe-Ni ore*

**12:05-12:20 p.m.** – **Admir Softic, Suncica Masic, Zahid Basic, Amir Brigic**  
Brown Coal Mining Company Banovici, Bosnia and Herzegovina  
*Optimum of height supplying – height of re-pumping with oscillation of the suction altitude and oscillation of capacity size of pump in experimental example on the Open Pit «Grivice»*

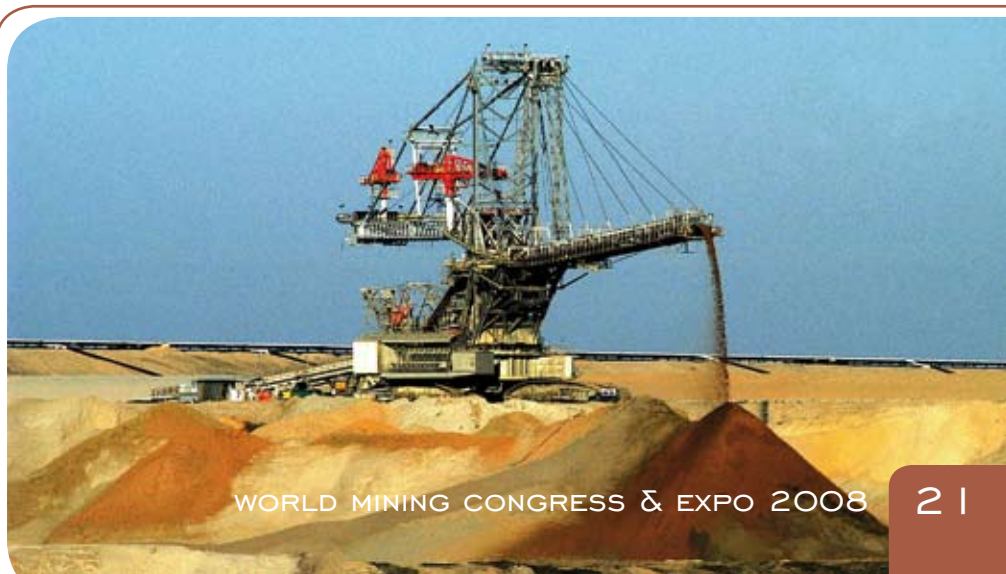
**12:20-12:40 p.m.** – **Josef Schild**  
Diabaswerk Saalfelden GmbH, Saalfelden, Salzburg, Austria  
*The new Austrian diabase open pit project "Tagbau 21"*

**1:50-2:50 p.m.** – **Lunch**

**3:00-5:30 p.m.** – **Visit in Brown Coal Mine BOT KWB S.A. and in Power Plant "Bełchatów"**

**6:00-7:00 p.m.** – **Diner**

**7:30 p.m.** – **Departure to Krakow**



**OUTGOING SESSION**  
**10<sup>TH</sup> SEPTEMBER 2008**  
**DAY 4, WEDNESDAY**

Wieliczka Salt Mine  
Daniłowicza str. 10, Wieliczka

## Session 9

### THE MINE AS A WITNESS TO HISTORY AND A MONUMENT OF TECHNOLOGY

Chairman: **Bronisław BARCHAŃSKI**  
Co-Chairman: **Antoni JODŁOWSKI**  
Secretary: **Michał KOPACZ,**  
**Ludomir WIŚNIEWSKI**

**SESSION ORGANIZED BY:**



**8:30 a.m.** – Meeting session member, Main Hall  
of Auditorium Maximum UJ, Krupnicza str

**8:45 a.m.** – Departure from Kraków

**9:45 a.m.** – Transportation to Drozdowice  
4 chamber

**10:15 a.m.** – Session opening

**10:30-12:00 a.m.** – **1<sup>st</sup> Part**

**10:30-10:45 a.m.** – **Zbigniew Zarębski**  
Wieliczka Salt Mine PLC  
The Wieliczka Salt Mine

**10:45-11:00 a.m.** – **Adam Frużyński**  
Coal Mining Museum in Zabrze  
*A collection of plans and technical drawings of  
State Mining Authority from Wrocław as a source  
to mining history on Upper Silesia at the turnover of  
18<sup>th</sup> and 19<sup>th</sup> century*

**11:00-11:15 a.m.** – **Eufrozyna Piątek**  
*The town of Wałbrzych from the point of view of the  
mining industry development*

**11:15-11:30 a.m.** – **Jerzy Tomasz Bąbel**  
"Krzemionki Opatowskie" Archaeological Museum  
and Reserve "Krzemionki Opatowskie"  
*The earliest beginnings of modern mining*

**11:30-11:45 a.m.** – **Gennadiy Gayko**  
Donbass State Technical University Alchevsk,  
Ukraine  
*Mining Engineering in the History of Culture and  
Engineering (reflections upon the expectant book  
pages)*

**11:45-12:00 a.m.** – **Ludomir Wiśniewski, Jan  
Gustaw Jurkiewicz**  
Society for the Restoration and Promotion of  
Queen Luise Adit in Zabrze "ProFuturo"  
*The Main Hereditary Key Adit a testimony to the  
development of underground building technology  
in the 18<sup>th</sup>/19<sup>th</sup> century*

**12:00-1:30 p.m.** – **Lunch**

**1:30-3:00 p.m.** – **2<sup>nd</sup> Part**

**1:30-1:45 p.m.** – **Antoni Jodłowski**  
Museum of Cracow's Saltworks  
*Salt Mine In Wieliczka – a historical remain of  
material culture and a history witness*

**1:45-2:00 p.m.** – **Zenon Szmidtko**  
The Coal Mining Museum in Zabrze  
*Skarboferm – 1922-1939. Technical and technolo-  
gical innovations introduced by the concern and its  
expansion on global markets.*

**2:00-2:15 p.m.** – **Piotr Strzałkowski**  
Faculty of Mining and Geology Silesian University  
of Technology  
*Influence of mining exploitation on surface –*

*evolution of views and methods of deformation  
forecasting*

**2:15-2:30 p.m.** – **D. Fodor, V. Pop**  
University of Petrosani & University of Baia Mare  
– Romania  
*Pages Of Romanian Mining History*

**2:30-2:45 p.m.** – **Maciej Madziarz**  
Institute of Mining, Wrocław University of  
Technology  
*800 years of mining in Radzimowice. From a 13<sup>th</sup>  
century ore mine to uranium ore mining, an example  
of centuries long history of the Lower Silesian ore  
mining development*

**2:45-3:00 p.m.** – **Zenon Duda**  
AGH University of Science and Technology  
Department of Mining and Geoengineering, AGH  
Janusz Wojciech Kotasiak  
Director of The Archeological Museum in Ostrów  
Świętokrzyski in years 1962-2006  
*The Neolithic flint mines in Krzemionki - problems  
of conservation and adaptation for didactic and  
tourism exhibition*

**3:00-3:45 p.m.** – **Coffee break**

**3:45-4:45 p.m.** – **End session, closing remarks**

**4:45-6:30 p.m.** – **Visiting The Wieliczka Salt  
Mine**

**6:30 p.m.** – **Departure to Krakow**

WIELICZKA SALT MINE



# Session 10

## LEGAL ASPECT OF MINING ACTIVITY

Chairman: **Piotr GISMAN**  
Co-Chairman: **Magdalena ŚMIESZEK,**  
**Małgorzata WAKSMAŃSKA**

## OUTGOING SESSION 10<sup>TH</sup> SEPTEMBER 2008 DAY 4 (WEDNESDAY)

State Mining Authority,  
31 Poniatowskiego str., Katowice

SESSION ORGANIZED BY:

State Mining Authority



**7:45 a.m. – Meeting of the participants at the Main Hall of Auditorium Maximum of the Jagiellonian University, Krupnicza str.**

**8:00 a.m. – Departure to Katowice**

**10:00-10:20 a.m. – Opening address by the President of State Mining Authority**

**10:20 a.m.-12:20 p.m. – 1<sup>st</sup> part of plenary session**

**10:20- 0:35 a.m. – Karin Aust**

Federal Ministry of Economics and Labour,  
Austria  
*The scope of geological and mining law*

**10:35-10:50 a.m. – Boris BALOG**

Ministry of Economy, Slovak Republic  
*Current situation and prospects of Slovak mining legislation*

**10:50-11:05 a.m. – Simon COOK**

The Coal Authority, Great Britain  
*Back into the private sector-The regulation of Great Britain's coal resource since 1994*

**11:05-11:20 a.m. – T. HÁMOR, G. SZABADOS**

Hungarian Office for Mining and Geology,  
Hungary  
*An assessment of future trends in mining and geology legislation and associated regulatory competences*

**11:20-11:35 a.m. – Ilmar JOOSEPSON**

Estonian Technical Surveillance Authority, Estonia  
*The implementation of the requirements of Estonian Mining Act and directives of EU in the Estonian mining industry*

**11:35-11:50 a.m. – Ryszard MIKOSZ**

Silesian University, Katowice, Poland  
*The scope of Polish mining and geological law*

**11:50-12:05 a.m. – Aleksander LIPINIŃSKI**

Silesian University, Katowice, Poland

*The scope of geological and mining law (in light of draft act after interministerial consultations version of 21 July 2008)*

**12:05-12:20 a.m. – H.S. WELIDENIYA**

Department of Earth Resources Engineering  
Faculty of Engineering, University of Moratuwa,  
Sri Lanka  
*Legal aspects of mining industry in Sri Lanka and regulatory procedures*

**12:20-12:30 p.m. – The presentation of mining exhibition (B. Szygula)**

**12:30 a.m. - 1:30 p.m. – Lunch and the presentation of mining exhibition**

**1:30-4:00 p.m. – 2<sup>nd</sup> part of the plenary session**

**The competences of the mining supervisory authorities and the mining control authorities**

**1:30-1:45 p.m. – Reinhard SCHMIDT**

President des Sachsischen Oberbergamtes,  
Germany  
*The setting up of and duties of appropriate mining authorities in Germany*

**1:45-2:00 p.m. – Karin AUST**

Federal Ministry of Economics and Labour,  
Austria  
*Competences of mining supervision organs and mining control organs in Austria*

**2:00-2:15 p.m. – Julianne KNAUL**

State Office for Mining, Geology and Minerals of Brandenburg, Germany  
*Competences of mining supervision organs and mining control organs*

**2:15-2:30 p.m. – Ivo PĚGRÍMEK, Pavel DVOŘAK, Antonin TAUFER**

The Czech Mining Authority, Czech Republic  
*Duties of mining organizations in order to minimize*

*causes threatening work safety and the sphere of authority of the State Mining Administration*

**2:30-2:45 p.m. – Y.G. KALE, RANJAN SAHAI, C.P. AMBESH**

Indian Bureau of Mines, India  
*Sustainable Mineral Development-Policy & Regulatory Approach in India*

**2:45-3:00 p.m. – J.F. CRONJÉ, L.J. VAN WYK, C.S. CHENGA, D. VAN WYK, L. SEGWE**

North-West University Potchefstroom South Africa  
University of Kent, UK Bench Marks Foundation of Southern Africa, Johannesburg, South Africa  
Mudjarii Trading (Pt) Ltd., Johannesburg, UK, South Africa  
*Development Issues within a CSR Framework in the SADC*

**3:00-3:15 p.m. – A. KIJEWSKA, J. KORSKI, H. PRZYBYŁA**

Silesian University of Technology, Poland  
*Strategic role of human resource management in coal mining*

**3:15-3:30 p.m. – K. GADOWSKA, J. MARTYKA, K. NOWAK, K. TAUSZ**

Jagiellonian University, Poland  
*Reflection on the prestige of mine supervisory staff from the aspect of hard coal mine management*

**3:30-3:45 p.m. – Piotr GISMAN**

State Mining Authority, Katowice, Poland  
*Mining supervision in Poland*

**3:45-4:00 p.m. – Discussion and closure of the session**

**4:10-4:30 p.m. – Departure to the historic mine „GUIDO” in Zabrze**

**4:30-8:30 p.m. – Visit to the historic mine „GUIDO” and mining fest**

**8:30 p.m. – Departure from Zabrze to Krakow**

10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

Main Hall A-0,  
AGH University of Science and Technology  
Al. Mickiewicza 30

# Session 11

## 17<sup>TH</sup> INTERNATIONAL CONFERENCE ON AUTOMATION IN MINING ICAMC`2008

Chairman: **A.K. GHOSE**  
Co-Chairman: **Bolesław FIRGANEK**  
Secretary: **Elżbieta ŚWIDER**

SESSION ORGANIZED BY:



9:00-9:10 a.m. – Conference opening

### Section I: Control Systems

Chairman: **Prof. A.K. Ghose**

9:10-9:30 a.m. – **A. CZECHOWSKI, M. LUBRYKA, J. LUBRYKA**

Elgór+Hansen, JSW S.A- KWK „Jas-Mos”, Poland  
*The Study of Control Software: System and Visualization for Special Mining Machine*

9:30-9:50 a.m. – **K. OPIELKA, J. ZIENTEK, A. JESTRATJEW, W. DOMAGAŁA, R. MAKOWSKI, A. NOWAKOWSKI, A. BYWALEC**

Silesian University of Technology Department of Computer Science, Poland  
*Supervisory Control System for Mining Belt Conveyors*

9:50-10:10 a.m. – **E. CIEŚLAR, A. HOLIK**

Elektrometal S.A., Poland  
*Memory Management in Announcement Module EM250 of ELSAP-05 Intrinsically Safe Controller*

10:10-10:30 a.m. – **Z. KASZTELEWICZ, J. SZYMAŃSKI**

AGH University of Science and Technology, Poland

*Control of the Conveyor Belt and Caterpillar Machines Drives in the Brown Coal Mines*

10:30-11:00 a.m. – Coffee break

### Section II: Safety and Communication

Chairman: **Prof. S. Cierpisz**

11:00-11:20 a.m. – **Ch. MULLER**

Embigence GmbH, Germany  
*Underground Mine Network Communication: Adding Mining Specific Value by Unified Communication Infrastructure*

11:20-11:40 a.m. – **K. MIŚKIEWICZ, A. WOJACZEK**

Silesian University of Technology, Gliwice, Poland  
*Mining Communication Systems Integration*

11:40-12:00 a.m. – **H. PASSIA\*, W. SKOROPACKI\*, F. ŚWIERGOT\*\***

\*Central Mining Institute, Katowice, Poland

\*\*Mining Electronics Factory „ZEG”, Tychy, Poland

*Idea of Explosion-Proof Power Supply Bus Intended for Continuous Work in Atmospheres Endangered with Explosion of Methane and/or Coal Dust*

12:00-12:20 p.m. – **L.K. BANDYOPADHAY, S.K. CHAULYA, P.K. MISHRA**

Central Institute of Mining and Fuel Research, India

*Development of Tracking and Monitoring System Based on RFID Tags for Disaster Management in Underground Mines*

12:20-12:40 p.m. – **K. MIŚKIEWICZ, E. CIEŚLAR**  
Silesian University of Technology, Elektrometal S.A., Poland

*Selected Problems with Location of Trapped Miners in Underground Mines*

12:40-1:00 p.m. – **P. GOLICZ**

Central Mines Rescue Station, Poland  
*GLON-GLOP Mining System for Locating People Captured by Fall of the Roof*

1:00-3:00 p.m. – Lunch

**Restaurant Hall (Level -1), Auditorium Maximum of the Jagiellonian University (Krupnicza str.)**

### Section III: Monitoring Systems

Chairman: **Prof. V. Strakoš**

3:00-3:40 p.m. – **E.S. LAPIN, V.V. MATVEEV, M.I. ABDRAKHMANOV, M.G. SOPOZHNIKOV**

Ural State Mining University, Russia  
*The problems of Automation of Explosive Gas Withdrawal Complexes in Mines*

**S.O. KUZMENKO, A.V. VILGELM, S.E. LAPIN**

Ural State Mining University, Russia  
*Analysis and Forecast Safety Threats at Mining Enterprises*

**A. BABIENKO, S. ORZEHEHOVSKY, S.E. LAPIN, L. KULIN**

Ural State Mining University, Russia  
*Mining Safety Increase by Means of Integrated Implementation of Requirements for Gas Control and Personal Equipment of Miners*

**S. SKOBTISOV, D. RESHETNIKOV, E.S. LAPIN**

Russia

*Mine Source of Supply*

3:40-4:00 p.m. – **S. PETERS, T. GORKA**

DMT GmbH, Germany

*Monitoring of the Roof Rocks of Roadways in Underground Coal Mining with the Anchor Borehole Inspection Tool*

### Section IV: Modelling and Optimization

Chairman: **Prof. E. Lapin**

4:00-4:30 p.m. – **S. CIERPISZ, K. KALINOWSKI, R. KAULA, J. PIELOT**

Silesian University of Technology, Poland  
*Production Control and Optimisation in a Group of Coal Preparation Plants*

4:30-5:00 p.m. – Coffee break

### Section IV: Continuation

5:00-5:20 p.m. – **N. ZDENĚK, B. STALMACHOVÁ, R. KLIMUNDA**

Czech Republic

*The Information System and Modelling of Reclamation of Subsidence Ponds and Settling Lagoons in the Upper Silesian Mining Landscape.*

5:20-5:40 p.m. – **M. KARAMOOZIAN, S.Z. SHAFEI, R. KAKAI**

Kerman University of Applied Science and Technology, Iran

*Semiautogenous Mill Liner Wear Kinetics Model*

5:40 – 6:00 p.m. – **T. NIEDOBA**

AGH University of Science and Technology, Poland

*Approximation of Oparticle Size Composition Curves by Bayesian Estimators of Weibull Distribution Functional Parameters with Application of Cut Normal Distribution Function*

6:00 p.m. – Closing of the Conference

8:00 p.m. – Banquet at Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)



10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

MH A – A Part of Medium Hall in AM  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

# Session 12

## RISK MANAGEMENT & SUBSIDENCE ENGINEERING

Chairman: **Axel PREUSSE**  
Co-Chairman: **Ryszard HEJMANOWSKI**  
Secretary: **Agnieszka MALINOWSKA**

SESSION ORGANIZED BY:



**9:00-9:05 – Opening of the session**

**9:05-9:45 a.m. – Axel PREUSSE - keynote speaker, Anton Sroka**

RAG Aktiengesellschaft, Germany  
*Future Demands on Mining Subsidence Engineering in Theory and Practice*

**9:45-10:00 a.m. – Zenon PILECKI**

AGH University of Science and Technology, Poland  
*The Role of Geophysical Methods in the Estimation of Sinkhole Threat in the Post-Mining Areas of Shallow Exploitation in the Upper Silesian Coal Basin, Poland*

**10:00- 10:15 a.m. – V. SOKOŁA-SZEWIOŁA**

The Silesian University of Technology, Poland  
*Method of evaluating the probability of a strong tremor*

**10:15-10:30 a.m. – XUEYIYU, BINGCHAO ZHAO, GUOLIANG ZHAO**

Key Laboratory of Western Mine Exploitation Hazard Prevention Xi'an University of Science and Technology, China  
*Damage Controls mode of Mining Subsidence about Shaanbei – Jurassic Coalfield in China*

**10:30-11:00 a.m. – Coffee break**

**11:00-11:15 a.m. – Wolfgang BUSH**

Germany  
*Germany Subsidence monitoring using SAR interferometric techniques*

**11:15-11:30 a.m. – Eligiusz JĘDRZEJEC, Piotr KALISZ, Andrzej KOWALSKI, Jerzy KWIATEK**

Central Mining Institute, Poland  
*New solutions in the field of surface deformation prediction and object protection in mining areas*

**11:30-11:45 a.m. – Agnieszka MALINOWSKA**

AGH University of Science and Technology, Poland  
*A fuzzy logic-based approach to building damage risk assessment considering the social and economic value*

**11:45-12:00 a.m. – Augustyn HOLEKSA, Mieczysław LUBRYKA, Jerzy MAJCHRZAK, Jerzy ŚLIWIŃSKI**

„Jas-Mos” coal mine, Poland  
*The impact of the exploitation of „Jas-Mos” coal mine on the route of A-1 motorway*

**12:00-12:15 p.m. – Andrew JAROSZ**

Curtin University of Technology-Western

Australian School of Mines, Australia  
*Development of Inspection System for Evaluation of Ore-passes at Grasberg Mine, PT Freeport, Indonesia.*

**12:15-12:30 p.m. – Peter FISCHER, Axel PREUSSE, Anton SROKA**

RAG Aktiengesellschaft, Germany  
*Extraction of hard coal close to a shaft*

**12:30-12:45 p.m. – O.O. GLUKHOV, A.V. AANTSY- FEROV, O.I. KOMPANETS**

UkrNIMI NAN of Ukraine, Ukraine  
*Methods and practical results of using GeoMark geoinformation system in mining*

**12:45-1:00 p.m. – Edward POPIOŁEK, Ryszard HEJMANOWSKI**

AGH University of Science and Technology, Poland  
*Forecasting and monitoring of underground mineral seam exploitation influence*

**1:00-3:00 p.m. – Lunch**

**8:00 p.m. – Banquet at Auditorium Maximum Jagiellonian University, Krupnicza str., The Restaurant Hall (Level -1)**



LUBELSKI WĘGIEL  
BOGDANKA S.A.

10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

MH A – A Part of Medium Hall in AM  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

## Session 13

CONTRIBUTION OF STRATA  
MECHANICS TO MINING  
TECHNOLOGY AND WORK SAFETY

INTERNATIONAL SYMPOSIUM  
ORGANIZED BY THE  
INTERNATIONAL BUREAU OF  
STRATA MECHANICS (IBSM)

Chairman: **Raimo MATIKAINEN**

Co-Chairman: **Marek CAŁA**

Secretary: **Piotr MAŁKOWSKI**

**3:00-3:15 p.m. – Introduction**

**3:15-3:30 p.m. – T. SZWEDZICKI**

AusWest Pty Ltd. Perth, Western Australia,  
Australia

*Precursors to rock mass failure in underground  
mines*

**3:30-3:45 p.m. – H. MARCAK**

AGH University of Science and Technology, Poland

*The structure of seismic acceleration signals recorded  
on ground surface*

**3:45-4:00 p.m. – T.V. LOBANOVA, V.N. OPARIN,  
A.V. LEONTIEV**

Institute of Mining, Siberian Branch, Russian  
Academy of Sciences, Russia

*Features of rock mass movements under its higher  
geodynamic activity in terms of the Tashtagol Mine,  
Russia*

**4:00-4:15 p.m. – U. RUPPEL, U. LANGOSCH**

DMT GmbH, Germany

*State of the art. Dimensioning of shield support to  
optimize longwall roof control*

**4:15-4:30 p.m. – N. BULYCHEV**

Tula State University, Russia

*Analytical design method for vertical shaft lining*

**4:30-5:00 p.m. – Coffee break**

**5:00-5:15 p.m. – N. FOTIEVA, N. BULYCHEV,  
P. DEEV, V. VLADOVA**

Tula State University, Russia

*Design of support of multiple non-circular workings  
in tectonic areas*

**5:15-5:30 p.m. – S. PRUSEK, S. BOCK**

Central Mining Institute, Poland

*Assessment of rock mass stresses and deformations  
around mine workings based on three-dimensional  
numerical modeling*

**5:30-5:45 p.m. – E. V. KASPARIAN**

Mining Institute Kola Science Centre RAS, Russia  
*Hierarchic-block models of rock mass in modern  
geomechanics*

**5:45-6:00 p.m. – A.N. SHASHENKO, E.A. SDVIZ-  
HKOVA**

National Mining University, Ukraine

*Analysis of some failure criterions and estimation of  
scale effect in rocks*

**6:00-6:15 p.m. – Summary**

**8:00 p.m. – Banquet at Auditorium Maximum  
Jagiellonian University, Krupnicza str.,  
The Restaurant Hall (Level -1)**

KGHM POLSKA MIEDŹ S.A.



# Session 14

## ECONOMICS, MANAGEMENT AND DESIGN IN THE MINING INDUSTRY

Chairman: **John E. TILTON**  
Co-Chairman: **Roman MAGDA**  
Secretary: **Patrycja BAŁK**

**9:00-9:15 a.m. – G.G. PIVNYAK, U.T. RASUMNY, A.V. RUKHLOV**

National Mining University, Ukraine

*Aspects of the fuel industry development in Ukraine*

**9:15-9:30 a.m. – G.G. PIVNYAK, P.I. PILOV**

National Mining University, Ukraine

*Strategy of coal industry development in Ukraine*

**9:30-9:45 a.m. – J. ENGEL, P. RYBÁR**

Faculty BERG Technical University Kosice, Slovakia

*Substitutability of capital and sustainable development in mining*

**9:45-10:00 a.m. – V. BAUER**

Faculty BERG Technical University Kosice, Slovakia

*The risk evaluation in expected uranium mining at Slovakia*

**10:00-10:15 a.m. – K. DOERFLER, M. WURM**

Rio Tinto Minerals Austria, Austria

*Talc mining in Austria: sustaining activities in the face of scarce resources and competing interests*

**10:15 -10:30 a.m. – Discussion and comments**

**10:30-11:00 a.m. – Coffee break**

**11:00-11:15 a.m. – F. BUSE, I.N. TIUZBAIAN, N. DOBRITOIU**

University of Petrosani, Romania

*The simulation of longwall complex mechanized operating face system*

**11:15-11:30 a.m. – N. TIUZBAIAN, F. BUSE, N. DOBRITOIU**

University of Petrosani, Romania

*The influence of 'labor' production factor upon work quoting and productivity in mechanized mining*

**11:30-11:45 a.m. – M. JASZCZUK, J. KANIA**

Silesian University of Technology, Poland

*Theoretical consideration in establishing the parameters of longwall panel*

**11:45-12:00 a.m. – R. MAGDA, T. FRANIK**

AGH University of Science and Technology, Poland

*Planning and design of rational parameters of longwall panels in underground hard coal mines*

**12:00-12:15 p.m. – R. MAGDA, T. WOŹNY, S. GŁODZIK, J. JASIEWICZ**

AGH University of Science and Technology, Poland

*Data management for the mine production planning and design*

**12:15-12:30 p.m. – Discussion and comments**

**1:00-3:00 p.m. – Lunch**

**3:00-3:15 p.m. – Q. WANG, X. GU, D. CHU**

College of Resources and Civil Engineering

Northeastern University Shenyang Liaoning, China  
*A dynamic optimization method for determining cutoff grades in underground mines*

**3:15-3:30 p.m. – J. SATTARVAND, CH. NIEMANN-DELIUS**

RWTH Aachen University, Germany

*Perspective of metaheuristic optimization methods in open pit production planning*

**3:30-3:45 p.m. – A. D. AKBARI, M. OSANLOO, M.A. SHIRAZI**

Mining Engineering Department Azad University Science and Research Branch, Iran

*Ultimate Pit Limit (UPL) determination through minimizing risk costs associated with price uncertainty*

**3:45-4:00 p.m. – A. SHAHINKAR, K. SHAHRIAR, A. ASADI, A.D. AKBARI**

Mining Engineering Department Azad University Science and Research Branch, Iran

*Feasibility study of oil mining – a fuzzy AHP decision making approach*

**4:00-4:15 p.m. – H. OWLADEGHAFARI, K. SHAHRIAR, GH. R. SAEEDI**

Mining Engineering Department of Shahid Bahonar University, Iran

*Assessment of effective parameters on dilution using approximate reasoning methods in longwall mining method, Iran coal mines*

10<sup>TH</sup> SEPTEMBER 2008  
DAY 4, WEDNESDAY

PH – Portrait Hall  
Auditorium Maximum of Jagiellonian University, Krupnicza str.

SESSION SPONSORED BY:

PRICEWATERHOUSECOOPERS 

**4:15-4:30 p.m. – Discussion and comments**

**4:30-5:00 p.m. – Coffee break**

**5:00-5:15 p.m. – R. SAYADI, M. A. HOSSEINI, V. BOZORGI**

Tarbiat Modarres Universit, Iran

*Price instability and terms of trade for mineral commodities in the last two decades*

**5:15-5:30 p.m. – B. SOLIŃSKI, I. SOLIŃSKI**

AGH University of Science and Technology, Poland

*Economical appraisal of the energetic application of hard coal in co-combustion process with biomass in system power plants*

**5:30-5:45 p.m. – M. SIERPIŃSKA, A. KUSTRA**

AGH University of Science and Technology, Poland

*Bonus systems in mining industry, current situation and future developments*

**5:45-6:00 p.m. – A. KUSTRA**

AGH University of Science and Technology, Poland

*Cost calculation in the mining activity treated as a project – strategic and operational approach*

**6:00-6:15 p.m. – A. DYCZKO, M. KOPACZ**

Mineral and Energy Economy Research Institute of Polish Academy of Sciences, Poland

*Dilution influence on value of mining investment projects and selected production figures by a copper mine example*

**6:15-6:30 p.m. – P. BAŁK**

AGH University of Science and Technology, Poland

*Securitization as a method of financing coal mining industry*

**6:30-6:45 – Closing Session**

**8:00 p.m. – Banquet at Auditorium Maximum**

**Jagiellonian University, Krupnicza str.,  
The Restaurant Hall (Level -1)**



# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

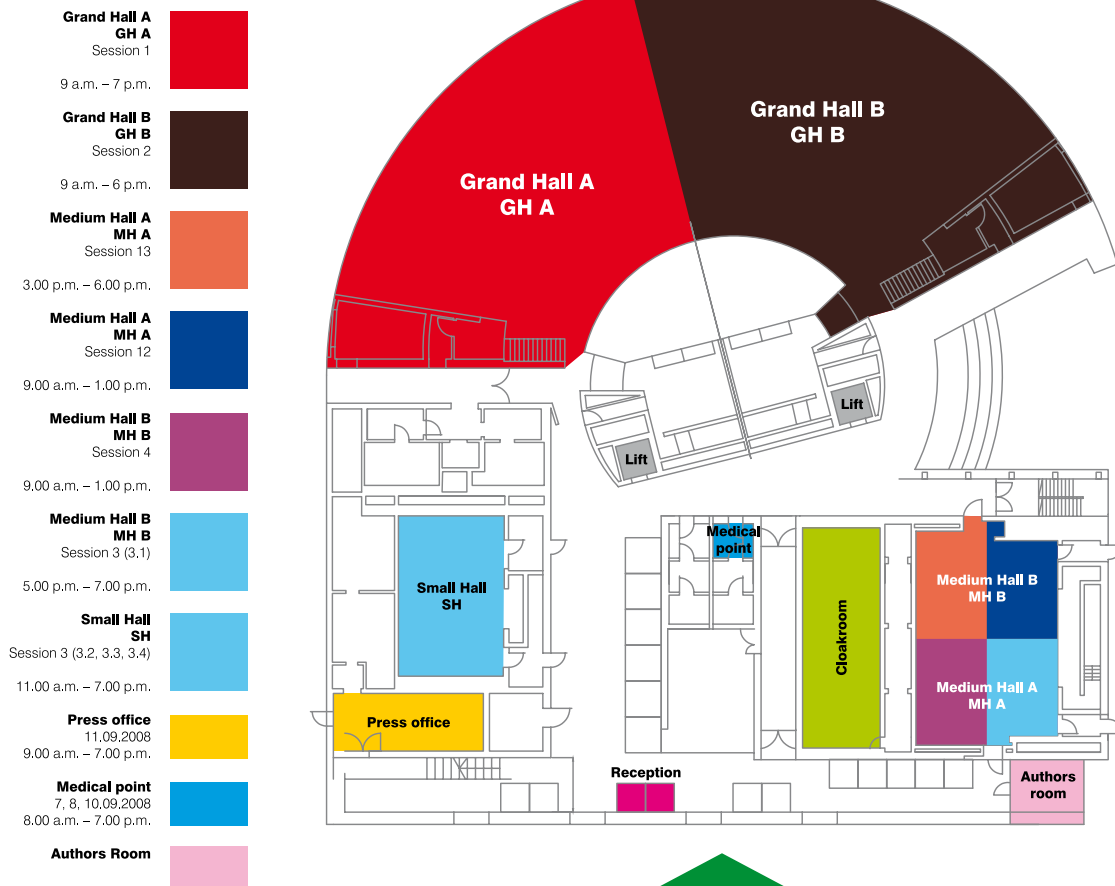
## Auditorium Maximum

Auditorium Maximum of Jagiellonian University,  
Krupnicza 33 str.



AUDITORIUM MAXIMUM

### Level 0

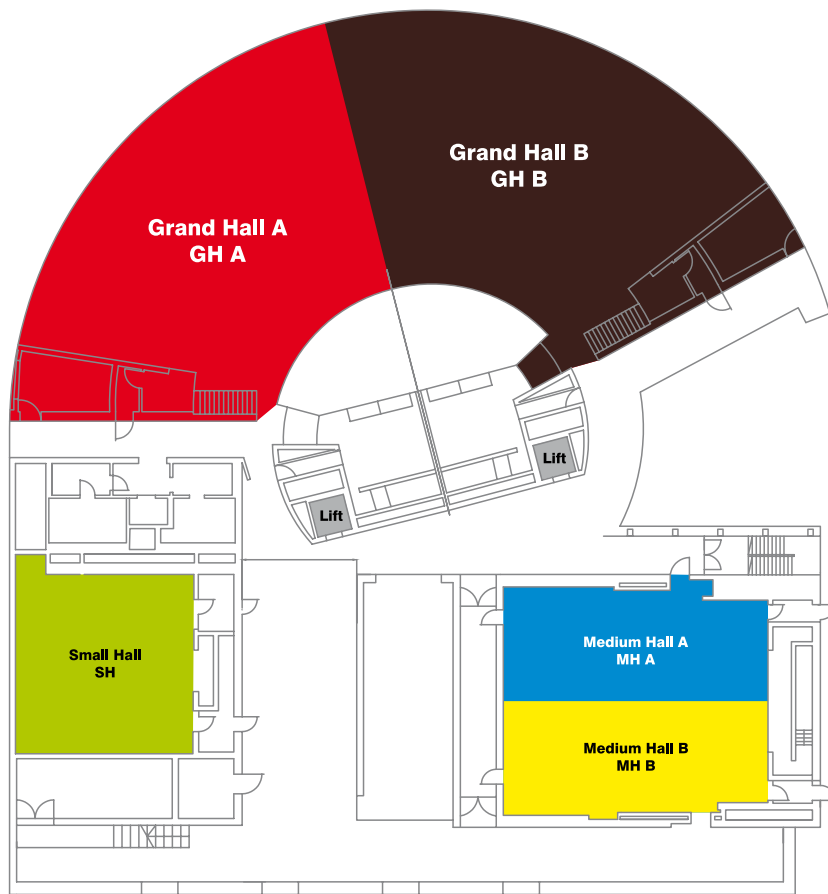


**Entrance**



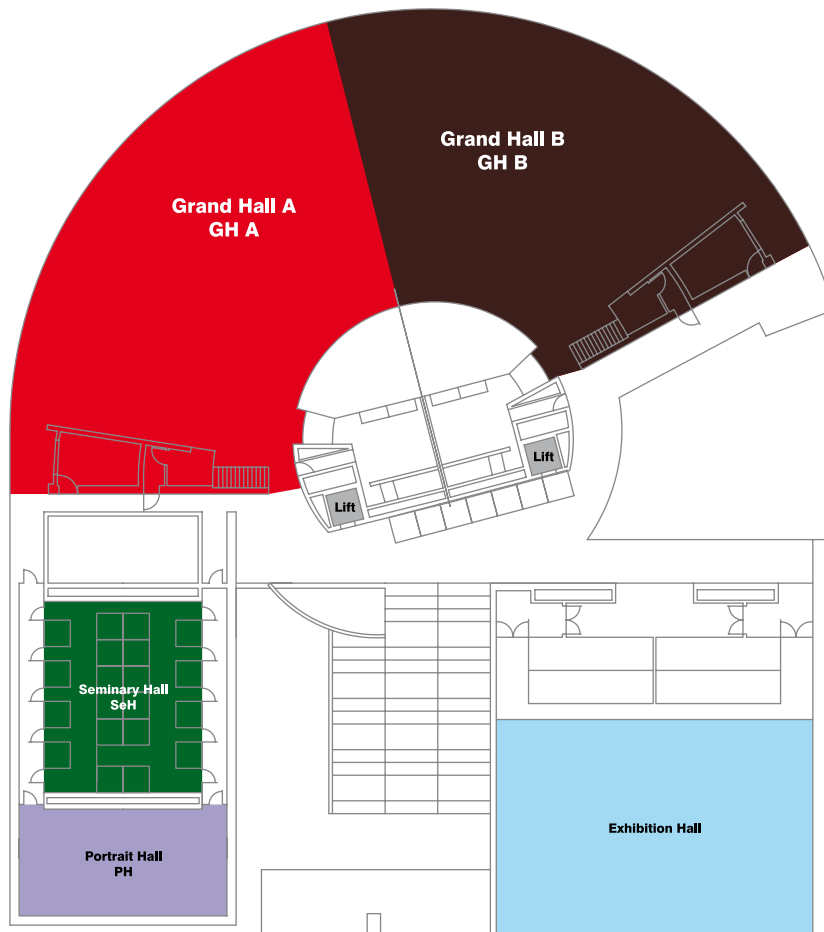
# 1<sup>st</sup> Level

- Grand Hall A**  
GH A  
Session 1  
9 a.m. – 7 p.m.
- Grand Hall B**  
GH B  
Session 2  
9 a.m. – 6 p.m.
- Medium Hall A**  
MH A
- Medium Hall B**  
MH B
- Small Hall**  
SH



# 2<sup>nd</sup> Level

- Grand Hall A**  
GH A  
Session 1
  - Grand Hall B**  
GH B  
Session 2
  - Seminary Hall**  
SeH  
Session 5  
9 a.m. – 6 p.m.
  - Portrait Hall**  
PH  
Session 14  
9 a.m. – 7 p.m.
  - Exhibition Hall**
- 7 – 11 September 2008



# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

11<sup>TH</sup> SEPTEMBER 2008  
DAY 5, THURSDAY

Auditorium Maximum of Jagiellonian University, Krupnicza str.



KRAKOW, THE MAIN SQUARE

## FRAMEWORK PROGRAMME

- 9:00-11:15 a.m. Mining industry – the present and the future: part I, Middle Hall A
- 9:00-11:30 a.m. Mining industry – the present and the future: part II Middle Hall B
- 11:30 a.m. - 12:30 p.m. Poster session
- 11:45 a.m. - 12:30 p.m. Coffee break
- 12:30-1:30 p.m. Farewell concert
- Congress closing
- Lunch

## DETAILED PLAN

### PART I, MIDDLE HALL A

CHAIRMAN: **PEKKA SARKA**  
SECRETARY: **PIOTR SAŁUGA**

**9:00-9:15 a.m. – Tadeusz PINDÓR, Leszek PREISNER**  
AGH University of Science and Technology, Krakow, Poland  
*World Coal Sector Restructuring due to Sustainable Development*

**9:15-9:30 a.m. – Zygmunt Z. FUGINSKI, Askar ENIKIEV**  
SPb Giprosnakht, St. Petersburg, Russia  
*Increased demand for coal – growing market for deposit evaluations and mine design services in Russia*

**9:30-9:45 a.m. – Tadeusz MAJCHERCZYK, Piotr MAŁKOWSKI, Zbigniew NIEDBALSKI**  
AGH University of Science and Technology, Poland  
*The effects of rock mass pressure regarding „in situ” research*

**9:45-10.00 a.m. – Dietmar PLUM**  
DMT GmbH & Co. KG, Essen, Germany  
*Planning of High Performance Plowing Faces based on Cutting Resistance measurements*

**10:00-10:15 a.m. – Petar HRZENJAK\*, Ivan COTMAN\*\*, Zlatko BRISEVAC\***  
\*University of Zagreb, Croatia  
\*\*Kamen d.d. Pazin, Pazin, Croatia  
*Geotechnical investigation for designing underground natural stone mines*



KGHM POLSKA MIEDŹ S.A.

## 11<sup>TH</sup> SEPTEMBER 2008 DAY 5, THURSDAY

**10:15-10:30 a.m. – Antoni KIDYBIŃSKI, Eugeniusz KRAUSE**  
Central Mining Institute, Katowice, Poland  
*Current developments in coal and gas outbursts research aimed at assessment and limitation of the hazard in mines*

**10:30-10:45 a.m. – A. NICOLA KING, B. MARYNA MOHR-SWART, C. HERMAN CORNELISSEN**  
South Africa  
*Water treatment at mine closure: the changing role of mining*

**10:45-11:00 a.m. – Teodor WINKLER, Mark DUDEK, Dariusz MICHALAK, Jarosław TOKARCZYK, Łukasz JASZCZYK**  
KOMAG Mining Mechanization Centre, Gliwice, Poland  
*Knowledge Based Forming of Safe Work Environment in Mining*

**11:00-11.15 a.m. – Elizabeth BENSON-STOTT, James STOTT, Dadirai GARA**  
BetterLife Directions Pty Ltd, Hervey Bay, Australia  
*Identity, Culture and Psychological Health of today's Miners & Their Families*

### PART II, MIDDLE HALL B

**CHAIRMAN: JACEK PARASZCZAK**  
**CO-CHAIRMAN: RYSZARD HEJMANOWSKI**  
**SECRETARY: MICHAŁ KOPACZ**

**9:00-9:15 a.m. – Michael SCHATZ**  
Federal Ministry of Economics and Labour, Vienna, Austria  
*Worldwide Construction Raw Materials Statistics*

**9:15-9:30 a.m. – Leopold WEBER**  
Federal Ministry of Economics and Labour Mining Authority, Vienna, Austria  
*Recent Developments in World Mining Production – A new Iron age?*

**9:30-9:45 a.m. – Sohei SHIMADA**  
The University of Tokyo, Japan  
*Coalbed Methane and Coal Mine Methane as a Clean Energy Source in Asian Regeion*

**9:45-10:00 a.m. – İbrahim Halil KIRŞAN, Şükrü ŞAFAK**  
Mineral Research and Exploration, Ankara, Turkey  
*Mineral potential of Turkey*

**LAST OPPORTUNITY TO VISIT WORLD MINING EXPO EXHIBITION IN SOSNOWIEC**

**10:00-10.15 a.m. – B.R.RAKISHEV**  
Kazak National Technical Satpaev University, Almaty, Kazakhstan  
*Open cast mining in Kazakhstan under market conditions*

**10:15-10:30 a.m. – G.V.R. GOODMAN, O.C. KARACAN, S.J. SCHATZEL, R.B. KROG, C.D. TAYLOR, E.D. THIMONS**  
National Institute for Occupational Safety and Health, Pittsburgh Research Laboratory, Pittsburgh, PA, USA  
*NIOSH Research for Monitoring and Controlling Methane at U.S. Underground Coal Mining Operations*

**10:30-10:45 a.m. – Jan PALARSKI, Marcin LUTYŃSKI**  
Silesian University of Technology, Gliwice, Poland  
*New trends of reducing Greenhouse Gases emissions and environmental impact of coal mining industry*

**10:45-11:00 a.m. – Jacek PARASZCZAK**  
Université Laval, Quebec City, PQ, Canada  
*Current situation and challenges facing the Canadian metal mining industry*

**11:00-11.15 a.m. – Tad SZWEDZICKI**  
AusWest Pty Ltd, Perth, Western Australia  
*Maining in Australia and South Paccific*

**11:15-11:30 a.m. – Mariusz-Orion JĘDRYSEK**  
University of Wrocław, Poland  
*Deep-ocean exploration of metals ore deposits controlled by the International Seabed Authority: selected aspects of the present state and possible mining*

**11.30 a.m. - 12.30 p.m. – Poster session**

**11.45 a.m. – Coffee break**

**12:30-13:30 p.m. – Concert of Sinfonietta Cracovia Orchestra, violin/conductor: Robert Kabara**

**1:30-1:40 p.m. – Speech of Minister of Economy, Waldemar Pawlak**

**1:40-1:45 p.m. – Approval of Krakow Declaration**

**1:45-2.00 p.m. – Thanks to sponsors**

**2:00-2:20 p.m. – Congress closing**

**2:20-3:30 p.m. – Lunch**

## 12<sup>TH</sup> SEPTEMBER 2008 DAY 6, FRIDAY

**World Mining Expo,  
Expo Silesia, Sosnowiec,  
Braci Mieroszewskich str 124**

# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

## The MINING EXPO

Expo Silesia, Sosnowiec

9-12<sup>th</sup> September 2008



**expo**silesia

### THE MINING EXPO 2008 EXHIBITION OF MINING EQUIPMENT AND MACHINERY WILL FORM AN INTEGRAL PART OF THE 21<sup>ST</sup> WORLD MINING CONGRESS

The MINING EXPO run in conjunction with the Congress is a top class international 2008 fair event in central-eastern Europe:

- over 280 exhibitors from 23 countries more than 20,000 square metres of exhibition space – this fair is larger than two previous fairs in Tehran, as well as that held before in New Delhi
- world's leading producers of mining equipment
- special national pavilions: Chinese, Indian, Turkish, British
- organized groups of visitors – professionals from Central and Eastern Europe

Honorary patronage of the World Mining Exhibition MINING EXPO has been provided by: Deputy Prime Minister and Minister of Economy, Waldemar Pawlak, as well as by the Minister of the Treasury, Aleksander Grad. Industry patronage has been offered -by the Mining Chamber of Industry and Commerce.

### SCOPE AND CONTENT OF THE EXPO EXHIBITION

In line with the congress motto "New Challenges and Visions for Mining", the Mining Expo will present the opportunity to view the latest equipment technologies and techniques employed in the mining industries. The exhibition will be themed around the following sectors of the industry:

- mining and processing of bituminous coal and lignite,
- machines and equipment for ore extraction and processing,
- drilling machines and drill fittings,
- rock mining,
- chemicals for the mining industry,
- electric power technologies,
- products from the iron & steel sector for the mining industry,
- environmental protection,
- occupational health and safety.





# MINING EXPO 2008

## Expo Silesia, Sosnowiec

### 9-12<sup>th</sup> September 2008

#### EXHIBITION VENUE

The MINING EXPO 2008 exhibition of mining equipment and machinery will be held at the Expo Silesia exhibition centre in the town of Sosnowiec, which is situated within the extensive Silesian conurbation, 10 minutes drive from the heart of the conurbation only.

Key advantages of the facilities, accessibility and location:

- less than an hour's drive from the centre of the city of Krakow where the Congress is scheduled,
- two conveniently placed international airports – Katowice-Pyrzowice (20 minutes' drive) and Krakow-Balice (40 minutes' drive),
- 13.5 thousand sq metres of indoor exhibition hall space alongside over 20 thousand sq metres of outdoor exhibition space – offering full trade fairs and exhibition infrastructure with access to all main services and utilities.

#### EXHIBITION PROGRAM

MINING EXPO, in addition to company presentations, offers conferences and seminars. The second day of this event will be held under the auspices of the Ministry of Economy. Exhibitors and invited guests will have an opportunity to participate in a conference addressing issues such as the Government's strategy for the coal mining industry and the mining investment projects to be implemented in 2008-2015. The third day, with honorary patronage provided by the Ministry of the Treasury, will be dedicated, among other things, to the privatization strategy for the Polish mining industry as well as to the Stock Exchange being a source of funding for the development of mining companies.

Below is the detailed program, including a list of governments' delegations.

#### DEPARTURE OF THE PARTICIPANTS OF THE CONGRESS TO MINING EXPO ON 9<sup>TH</sup> SEPTEMBER 2008

To provide the participants of the Congress with a comfortable means of transport to MINING EXPO in Sosnowiec, shuttle-buses have been prepared. Departure of specially labeled vehicles is at 9 a.m. from Auditorium Maximum Jagiellonian University, 33 Krupnicza Street, in Cracow. The cost of transport, entrance ticket, lunch and evening reception are included in the Congress registration fee. Return from Expo Silesia to Cracow has been planned for evening hours.

#### THE PROGRAM FOR CONGRESS PARTICIPANTS – 9<sup>TH</sup> SEPTEMBER 2008 – MINING EXPO

- 9:00 a.m. – departure from Auditorium Maximum JU, 33 Krupnicza Street, Cracow
- 11:00 a.m. – Grand Opening of World Mining Exhibition MINING EXPO, Expo Silesia, Sosnowiec
- 1:00 p.m. - 3:00 p.m. – lunch for Participants of the Congress in the Banquet Pavilion
- 4:00 p.m. – departure from Expo Silesia to the evening reception in SPODEK – Katowice
- 7:00 p.m. – departure from Katowice to Cracow

#### SHUTTLE SERVICE FOR PARTICIPANTS OF THE CONGRESS TO MINING EXPO ON 10<sup>TH</sup>, 11<sup>TH</sup>, 12<sup>TH</sup> SEPTEMBER 2008

On 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> September, shuttle service to the World Mining Exhibition MINING EXPO will also be ensured. Information as to the shuttle-bus timetable will be available at the MINING EXPO information stand, during the deliberations of the Congress – in the foyer of Auditorium Maximum, Jagiellonian University.

# MINING EXPO 2008

## List of exhibitors

<b>Aarti Steel Ltd.</b> (India)	Sector A	<b>Geological Survey Of India</b> (India)	Sector A
<b>Abb Sp. z o.o.</b> (Poland)	D-16	<b>Georyt Centrum Produkcyjne Sp. z o.o.</b> (Poland)	T1-2
<b>Shaw Almex Europe</b> (Netherlands)	B-20	<b>Glinik Grupa Kapitałowa</b> (Poland)	T1-1
<b>Alloy Steel International</b> Australia	Sector A	<b>Fabryka Maszyn Glinik S.A.</b> (Poland)	T1-1
<b>Apis Sp Zoo</b> (Poland)	T1-11	<b>Kuźnia Glinik Sp. z o.o.</b> (Poland)	T1-1
<b>Arnall</b> (Poland)	D-1	<b>Narzędzia i Urządzenia Wiertnicze Glinik</b> (Poland)	T1-1
<b>Arcelor Mittal (India) Ltd</b> (India)	Sector A	<b>Zakład Maszyn Górniczych Glinik Sp. z o.o.</b> (Poland)	T1-1
<b>Aspa</b> (Poland)	D-58	<b>Glückauf (Vge Verlag Gmbh)</b> (Germany)	C-3
<b>Atalay</b> (Turkey)	C-51	<b>Gornya Promyshlennost</b> (Russia)	C-8
<b>Atlas Equipment Manufacturing Ltd</b> (China)	Sector A	<b>Główny Instytut Górnictwa</b> (Poland)	D-43
<b>Baldwin &amp; Francis Ltd.</b> (UK)	C-21	<b>Golan Plastic Products Ltd</b> (Israel)	D-41
<b>Banska Mechanizacia A Elektrifikacia O.Z.</b> (Slovak Republic)	T1-18	<b>Górnicza Izba Przemysłowo-Handlowa</b> (Poland)	D-54
<b>Barkom</b> (Turkey)	C-45	<b>Grindex Ab</b> (Sweden)	C-23a
<b>Belma</b> (Poland)	D-39	<b>Grupa Powen-Wafapomp</b> (Poland)	D-3
<b>Bevex</b> (Czech Republic)	D-60	<b>Gta Maschinen Systeme</b> (Germany)	D-6
<b>Bharat Coking Coal Limited</b> (India)	Sector A	<b>Gumoplast</b> (Poland)	D-5, D-49
<b>Bhushan Steel Ltd</b> (India)	Sector A	<b>Hallite Seals Intern. Ltd</b> (France)	B-16
<b>Z-Dy Kablowe Bitner</b> (Poland)	D-4	<b>Karl Hamacher</b> (Germany)	C-1
<b>Bosch Rexroth</b> (Poland)	B-25	<b>Hammelmann Maschinen Fabrik</b> (Germany)	D-47
<b>Bomar /Marco</b> (Poland)	C-14	<b>Hansen Sicherheitstechnik Ag (Grupa ZZM Kopex)</b> (Germany)	T1-7
<b>Bumar</b> (Poland)	T1-20	<b>Harrison Lubricants</b> (UK)	C-25
<b>Cantoni Group</b> (Poland)	D-2	<b>Hauhinc Maschinenfabrik Gmbh</b> (Germany)	D-7
<b>Centrum Badań I Dozoru Górnictwa Podziemnego CBiDGP</b> (Poland)	D-42	<b>Heading Machines Company</b> (Poland)	D-5, D-49
<b>Celma S.A.</b> (Poland)	D-2	<b>Heatpex</b> (Poland)	D-41
<b>Central Coal Field Limited</b> (India)	Sector A	<b>Heintzmann-Silesia</b> (Poland)	D-6
<b>Centrala Zaopatrzenia Górnictwa</b> (Poland)	B-18	<b>Henan Xinyang Pingqiao Huayu Mining</b> (China)	Sector A
<b>Central Mine Planning &amp; Design Institute Limited</b> (India)	Sector A	<b>Division Hennlich Engineering</b> (Czech Republic)	C-41
<b>Centrum Taśm I Pasów</b> (Poland)	C-20	<b>Heuver Bandengroothandel</b> (Netherlands)	D-55
<b>Chhattisgarh – Directorate Of Geology &amp; Mining</b> (India)	Sector A	<b>Hindustan Copper Limited</b> (India)	Sector A
<b>China Chamber Of Commerce For Import &amp; Export...</b> (China)	Sector A	<b>Hornonitrianske Bane Previdza, A.S.</b> (Slovak Republic)	T1-18
<b>CIAYton Equipment Ltd</b> (UK)	C-16	<b>HSW – Kuźnia Stalowa Wola</b> (Poland)	D-59
<b>Coal Control Gesellschaft Für Automation Gmbh</b> (Germany)	D-7	<b>Huta Stalowa Wola</b> (Poland)	T1-5
<b>Coal India Limited</b> (India)	Sector A	<b>Hydroster</b> (Poland)	D-8
<b>Com Advice</b> (Germany)	C-12	<b>Hydrotech</b> (Poland)	T1-3
<b>Conbelts Bytom S.A.</b> (Poland)	D-19	<b>Ims-Stalserwis</b> (Poland)	D-35
<b>Correct</b> (Bulgaria)	C-39	<b>Inbye Mining Services Pty Ltd</b> (Grupa Zzm Kopex) (Australia)	T1-7
<b>Czech Extraction &amp; Mining Technol. – Association...</b> (Czech Republic)	C-41	<b>Inco Engineering</b> (Czech Republic)	C-41
<b>Dams Hydraulic Gmbh</b> (Germany)	T1-2	<b>Indutechnik</b> (Germany)	D-27
<b>David Brown</b> (UK)	C-26	<b>Innovator</b> (Poland)	D-52
<b>Deilmann-HAniel Mining Systems</b> (Germany)	T1-3	<b>Instytut Mechanizacji Budownictwa i Górnictwa Skalnego</b> (Poland)	B-13
<b>Derek Parnaby Cyclones Int. Ltd</b> (UK)	C-17	<b>Instytut Spawalnictwa</b> (Poland)	D-63
<b>Derrick Corporation</b> (USA)	D-6	<b>Instytut Tele- i Radiotechniczny</b> (Poland)	D-5, D-49
<b>DHL</b> (Poland)	D-37	<b>International Pipe</b> (UK)	C-29
<b>Don Valley Engineering Co. Ltd</b> (UK)	C-15	<b>Istanbul Minerals</b> (Turkey)	C-38
<b>Dozut Tagor (Grupa Zzm Kopex)</b> (Poland)	T1-7	<b>Janus</b> (Poland)	D-56
<b>Drager Safety</b> (Germany)	C-13	<b>Jindal Stainless Ltd</b> (India)	Sector A
<b>Draka Industrial Cable</b> (Germany)	B-23	<b>Jingdong Rubber Co. Ltd</b> (China)	Sector A
<b>Eastern Coalfields Limited</b> (India)	Sector A	<b>Joryc</b> (Poland)	D-55
<b>Edjan</b> (Poland)	B-14	<b>Joy Maszyny Górnicze</b> (Poland)	B-11
<b>Egemad</b> (Turkey)	C-46	<b>KAZ Sp z o.o.</b> (Poland)	D-10
<b>Eickhoff Polonia Ltd Sp. z o.o.</b> (Poland)	C-2	<b>KDM</b> (Poland)	D-20
<b>El.-Ap. Gothe &amp; Co. Gmbh</b> (Germany)	D-7	<b>Beijing Kelinhengda Technical Development</b> (China)	Sector A
<b>Elektrobudowa S.A.</b> (Poland)	D-46	<b>Kirchgaesser Industrieelektronik Gmbh</b> (Germany)	D-7
<b>Elektrometal</b> (Poland)	D-5, D-49	<b>KJM Inżyniering Spółka z o.o.</b> (Poland)	D-5, D-49
<b>P.H.U Elmar</b> (Poland)	D-9	<b>Kolmex</b> (Poland)	D-64
<b>Ema-Elfa Sp. z o.o.</b> (Poland)	D-2	<b>Kompania Węglowa</b> (Poland)	D-30
<b>Emag Centrum Elektryfikacji i Automat. Górn.</b> (Poland)	B-10	<b>Kopaliny</b> (Poland)	D-36
<b>Emag-Serwis</b> (Poland)	B-10	<b>Kopex S.A.</b> (Poland)	T1-7
<b>Emit S.A.</b> (Poland)	D-2	<b>Kopex – Przedsięb. Budowy Szybów S.A.</b> (Grupa Zzm Kopex) (Poland)	T1-7
<b>Enelex S.R.O.</b> (Czech Republic)	C-41	<b>Kopex-Famago (Grupa Zzm Kopex)</b> (Poland)	T1-7
<b>Energia Gigawat / Agent PR</b> (Poland)	C-7	<b>Kopex Min (Grupa Zzm Kopex)</b> (Serbia)	T1-7
<b>Grupa Energetyczna Engram</b> (Poland)	D-9	<b>Lena Wilków</b> (Poland)	D-33
<b>Essa</b> (Germany)	D-37a	<b>Lotos Oil</b> (Poland)	B-24
<b>Eurobelt</b> (Slovak Republic)	D-24	<b>Huta Łabędy</b> (Poland)	T1-19
<b>Fabryka Elementów Złącznych</b> (Poland)	B-17	<b>Madejski</b> (Poland)	B-12
<b>Fama Gniaw</b> (Poland)	D-61	<b>Mahanadi Coal Fields Limited</b> (India)	Sector A
<b>Famak S.A.</b> (Poland)	D-66	<b>Maharashtra Industrial Development Corporation</b> (India)	Sector A
<b>Famur Group</b> (Poland)	T1-2	<b>3M Poland</b> (Poland)	D-17
<b>Famur International Trade S.A.</b> (Poland)	T1-2	<b>Marco / Bomar</b> (Germany)	C-14
<b>Faser</b> (Poland)	B-15	<b>Martech-Plus</b> (Poland)	D-29
<b>Fazos S.A.</b> (Poland)	T1-2	<b>Mas</b> (Poland)	T1-10
<b>Fabryka Maszyn Famur S.A.</b> (Poland)	T1-2	<b>Matador</b> (Slovak Republic)	T1-12
<b>Fadroma</b> (Poland)	T1-20	<b>McCrorry Engineering</b> (UK)	C-28
<b>Ferrit</b> (Czech Republic)	C-42	<b>Merkel Freudenberg</b> (Germany)	C-11
<b>Finedoor Ltd</b> (UK)	C-19	<b>Messe Duesseldorf</b> (Germany)	C-9
<b>FL Smidth Minerals</b> (Denmark)	D-18	<b>Meta</b> (Turkey)	C-48
<b>FL Smidth Automation</b> (Denmark)	D-18	<b>Metso Minerals</b> (Poland)	D-26
<b>Fordberry PIC</b> (UK)	C-32	<b>Mico Europe Ltd</b> (UK)	C-31
<b>Fugo S.A.</b> (Poland)	D-66	<b>Micon</b> (Poland)	B-3
<b>Fugo-OdLew Sp. z o.o.</b> (Poland)	D-66	<b>Mifama</b> (Poland)	T1-1

# MINING EXPO 2008

## List of exhibitors

<b>Mine Master</b> (Poland)	T1-4	<b>SI Wiosna Ludów</b> (Poland)	B-19
<b>Minecom</b> (Australia)	Sector A	<b>Sigma</b> (Poland)	B-9
<b>Mineral Exploration Corporation Limited</b> (India)	Sector A	<b>SIL-Trade</b> (Poland)	D-15
<b>Mineralne Suroviny</b> (Czech Republic)	D-51	<b>SKW Sp. z o.o.</b> (Poland)	D-66
<b>Minova Ekochem S.A.</b> (Poland)	D-1	<b>SMTG Swedish Mining And Tunneling Group</b> (Sweden)	C-23
<b>Mitsui</b> (France)	C-20	<b>South Eastern Coalfields Limited</b> (India)	Sector A
<b>MPS</b> (Poland)	D-25	<b>Spółka Restrukturyzacji Kopalń</b> (Poland)	D-28
<b>Murabet</b> (Poland)	D-65	<b>Stadmar</b> (Poland)	T1-1
<b>Muzeum Górnictwa w Zabrze</b> (Poland)	C-44	<b>Stalkon</b> (Poland)	D-3
<b>MWM Elektro Sp. z o.o.</b> (Poland)	D-5, D-49	<b>Steinert Elektromagnetbau</b> (Germany)	D-7
<b>Napędy i Sterowanie</b> (Poland)	C-5	<b>Surowce i Maszyny Budowlane, Energ. Ciepła i Zawodowa</b> (Poland)	C-6
<b>National Aluminium Company Limited</b> (India)	Sector A	<b>Tafcon Group</b> (India)	Sector A
<b>Nedropolzovanye XXI V.</b> (Russia)	B-21	<b>Tagor S.A. (Grupa ZSM Kopex)</b> (Poland)	T1-7
<b>Neuhaeuser</b> (Germany)	D-40	<b>Tata Steel Limited</b> (India)	Sector A
<b>Nilos</b> (Germany)	D-45	<b>Tech-Trading</b> (Poland)	D-47
<b>Nitroerg</b> (Poland)	D-38	<b>Telvis Przedsiębiorstwo Usługowo-Produkcyjne Sp. z o.o.</b> (Poland)	B-10
<b>Fabryka Maszyn Górniczych Niwka</b> (Poland)	T1-15	<b>Thiele GmbH</b> (Germany)	C-3
<b>Northern Coalfields Limited</b> (India)	Sector A	<b>Tiefenbach</b> (Poland)	T1-7
<b>Nowomag S.A.</b> (Poland)	T1-2	<b>Tiptopol Sp. z o.o.</b> (Poland)	T1-9
<b>Ntron</b> (Ireland)	B-6	<b>Tradelink Publications – Coal International</b> (UK)	B-22
<b>Obac</b> (Poland)	D-34	<b>Transtools</b> (Poland)	D-23
<b>HSW Odlewnia Sp z o.o. (Grupa ZSM Kopex)</b> (Poland)	T1-7	<b>Transport Przemysłowy i Maszyny</b> (Poland)	D-12
<b>Odlewnia Żeliwa Śrem S.A.</b> (Poland)	T1-2	<b>Triten International Ltd</b> (UK)	C-24
<b>Ofama Sp. z o.o.</b> (Poland)	D-19	<b> Tubes International</b> (Poland)	D-22
<b>Orissa Mining Corporation</b> (India)	Sector A	<b>Tufecigolu Kauçuk Sanayi</b> (Turkey)	C-37
<b>Pioma S.A.</b> (Poland)	T1-2	<b>Urząd Miejski w Sosnowcu</b> (Poland)	D-62
<b>Pioma Industry Sp. z o.o.</b> (Poland)	T1-2	<b>Uzmai International SRL</b> (Italy)	D-55
<b>Polremaco</b> (Poland)	T1-16	<b>Vedanta Aluminium Limited</b> (India)	Sector A
<b>Polskie Centrum Techniki Górniczej Sp. z o.o.</b> (Poland)	T1-2	<b>VGE Verlag</b> (Germany)	C-3
<b>Polskie Liny Sp. z o.o.</b> (Poland)	B-18	<b>Victaulic Company</b> (Belgium)	D-57
<b>Polskie Maszyny Górnicze S.A.</b> (Poland)	T1-2	<b>Visa Steel Ltd</b> (India)	Sector A
<b>Polwent</b> (Poland)	D-44	<b>Vogel Business Media MM Magazyn Przem., Powder &amp; Bulk</b> (Poland)	B-5
<b>Port And Quarry Supplies Ltd</b> (UK)	C-30	<b>Waidhan Engineering &amp; Industries PVT Ltd</b> (India)	Sector A
<b>Portafill</b> (UK)	C-27	<b>Wagener Schwelm</b> (Germany)	D-45
<b>Prima</b> (Poland)	C-36	<b>Wamag (Grupa ZSM Kopex)</b> (Poland)	T1-7
<b>Progress Technika</b> (Poland)	D-21	<b>Western Coalfields Limited</b> (India)	Sector A
<b>Pruftechnik-Wibrem</b> (Poland)	D-53	<b>Wichary Technologies</b> (Poland)	D-7
<b>Przedsiębiorstwo Konstrukcji i Budowy Maszyn Sp. z o.o.</b> (Poland)	D-5, D-49	<b>Wikom-Seal</b> (Poland)	B-2
<b>PTWP Sp. z o.o.</b> (Poland)	D-48	<b>Wirtgen</b> (Poland)	C-4
<b>Quinto</b> (Poland)	D-6	<b>Wiper Krzysztof Pietrzakowski</b> (Poland)	B-16
<b>RMI Pressure Systems</b> (UK)	C-22	<b>Wydawnictwo Górnicze (Trybuna Górnicza)</b> (Poland)	B-8
<b>RNT Sp. z o.o.</b> (Poland)	D-5, D-49	<b>Beijing Yutian Century Mining Equipment Co., Ltd</b> (China)	Sector A
<b>Russian Mining</b> (Russia)	C-8	<b>Zabrzeńskie Zakłady Mechaniczne S.A.</b> (Poland)	T1-7
<b>Ryfama</b> (Poland)	T1-21	<b>Zakłady Elektroniki Górniczej „Zeg” S.A. (Grupa ZSM Kopex)</b> (Poland)	T1-7
<b>Sadex</b> (Poland)	D-14, T1-8	<b>Zam-Servis</b> (Czech Republic)	D-11
<b>Sagpol</b> (Poland)	D-15	<b>DFM Zanam-Legmet</b> (Poland)	T1-6
<b>Sandvik Mining and Constructions</b> (Poland)	B-1	<b>Z-D Odmetanowania Kopalń ZOK</b> (Poland)	T1-17
<b>Sealpumps Engineering</b> (UK)	C-18	<b>Z-D Robót Górniczych Krosno</b> (Poland)	D-31; T1-10a
<b>Seebach</b> (Poland)	D-13	<b>Z-Dy Mechaniczne Urządzeń Wiertniczych</b> (Poland)	T1-14
<b>Sempertrans</b> (Poland)	D-32	<b>Zgoda S.I.</b> (Poland)	B-7
<b>Separator-Roberts&amp;Schaefer</b> (Poland)	D-6	<b>ZTS Sabinov</b> (Slovak Republic)	D-44
<b>Sevital Sp. z o.o.</b> (Poland)	B-10	<b>ZSM-Kopex Group</b> (Poland)	T1-7
<b>Shandong Tagao Mining Equip. Co. Ltd (Grupa ZSM Kopex)</b> (China)	T1-7		

## LIST OF REPRESENTED COMPANIES

### COMPANY

Australian Mud Company (AMC)  
 Coccodrillo  
 EMMA spółka z o.o.  
 Focus Rocbit  
 Fordia - Canada  
 Hammelmann Maschinenfabrik GmbH  
 Hans Ziller KG  
 HMC S.A.  
 Inter Kupro  
 Jet Lube  
 KJM INŻYNIERING Spółka z o.o.  
 Nilos  
 NIPPON TSUSHO  
 PROMATI, Grez Doiceau  
 Przedsiębiorstwo Konstrukcji i Budowy Maszyn Spółka z o.o., Mikołów  
 Reflex Instruments  
 REMA TIP TOPOL GmbH  
 SPITZNAS GmbH  
 TROLEX  
 Versadrill

### COUNTRY

Australia  
 Italy  
 Poland  
 India  
 Canada  
 Germany  
 Germany  
 Poland  
 Czech Republic  
 UK  
 Poland  
 Germany  
 Japan  
 Belgium  
 Poland  
 Australia  
 Germany  
 Germany  
 UK  
 Canada

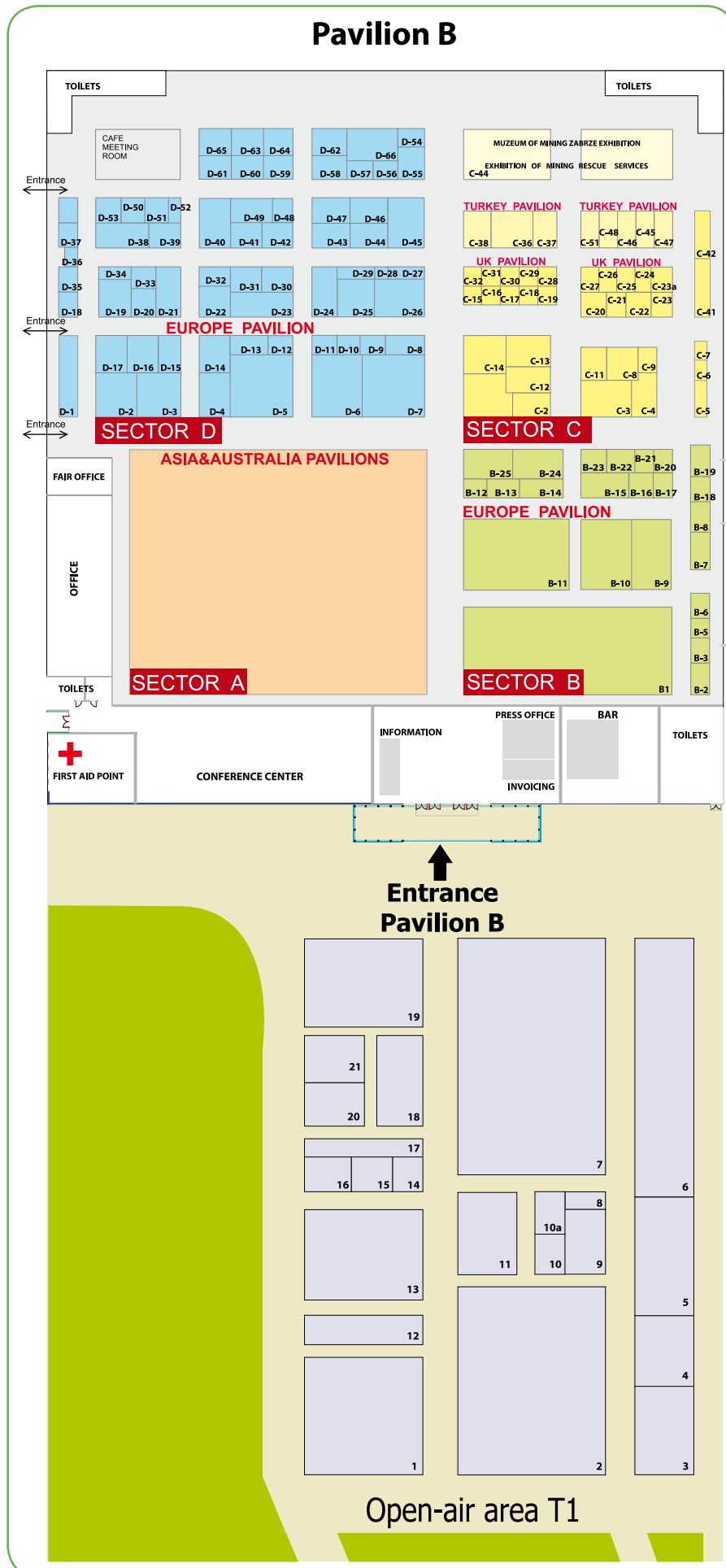
### EXHIBITOR

BARKOM DRILLING EQUIPMENT  
 BARKOM DRILLING EQUIPMENT  
 ELEKTROMETAL  
 BARKOM DRILLING EQUIPMENT  
 BARKOM DRILLING EQUIPMENT  
 TECH-TRADING  
 WAGENER SCHWELM  
 ELEKTROMETAL  
 NIWKA  
 BARKOM DRILLING EQUIPMENT  
 ELEKTROMETAL  
 WAGENER SCHWELM  
 MITSUI / CTP  
 MITSUI  
 ELEKTROMETAL  
 BARKOM DRILLING EQUIPMENT  
 TIPTOPOL  
 TRANSTOOLS  
 MICON  
 BARKOM DRILLING EQUIPMENT

### LOCATION

C-45  
 C-45  
 D-5, D-49  
 C-45  
 C-45  
 D-47  
 D-45  
 D-5, D-49  
 T1-15  
 C-45  
 D-5, D-49  
 D-45  
 C-20  
 C-20  
 D-5, D-49  
 C-45  
 C-45  
 T1-9  
 D-23  
 B-3  
 C-45

# MINING EXPO 2008 – Exhibition plan





# MINING EXPO 2008

## Expo Silesia, Sosnowiec

### 9-12<sup>th</sup> September 2008

## PROGRAMME OF THE WORLD MINING EXHIBITION MINING EXPO 2008 EXPO SILESIA, SOSNOWIEC – POLAND

### 9<sup>TH</sup> SEPTEMBER 2008

#### Day of events attended by Guests of the 21<sup>st</sup> World Mining Congress

**10:00 a.m. - 4:00 p.m. – Exhibition open to the public**

**11:00 a.m.** – Official fair opening attended by the Deputy Prime Minister – Waldemar Pawlak and invited Guests

**12:00-12:30 p.m.** – Tour of the exhibition by the official delegation of the Government

**12.30 p.m.** – Press briefing

**2:00 p.m.** – Press conference of the KOPEX S.A. company

**3:00-4:00 p.m.** – Minister's Forum

**4:30-7:00 p.m.** – Evening celebrations dedicated to Guests of the World Mining Congress and Exhibitors of MINING EXPO – organizer: Municipal Office in Katowice, venue: the Spodek hall (admittance by invitation)

### 10<sup>TH</sup> SEPTEMBER 2008

#### Day of the Ministry of Economy

**10:00 a.m. - 5:00 p.m. – Exhibition open to the public**

**10:00 a.m.** – Meeting attended by a delegation of the Ministry of Economy and by representatives of leading companies operating in the mining industry; tour of the exhibition

**11:00 a.m. – 1:00 p.m.** – Conference held under the auspices of "Trybuna Górnicza" – The Mining Sector Has to Make Investments

- "The Government's Strategy for the Coal Mining Sector" – Joanna Strzelec-Łobodzińska, the mining sector advisor of Minister of Economy
- "Investment Projects in the Coal Mining Sector in the Period 2008-2015" – Henryk Paszcza, deputy director of ARP (Industrial Development Agency) Branch in Katowice
- "Development of Pole Bzie-Dębina As an Investment Priority for the Jastrzębska Spółka Węglowa S.A. company" – vice-president Andrzej Tor, director Jacek Plutecki, JSW S.A.
- "The Dębienio project – from the plan to implementation" – the representative of New World Resources company

### 11<sup>TH</sup> SEPTEMBER 2008

#### Day of the Ministry of the Treasury

**10:00 a.m. - 5:00 p.m. – Exhibition open to the public**

**11:00 a.m. - 1:00 p.m.** – Conference held under the auspices of "Trybuna Górnicza" "Polish Mining Privatization Strategy" – Jan Bury, Secretary of State in the Ministry of the Treasury

- "The Exchange as an Opportunity to Acquire Resources" – Janusz Zawila Ph.D., stock exchange expert
- "BOGDANKA's on the Stock Exchange soon" – president Mirosław Taras, the Lubelski Węgiel "BOGDANKA" S.A. company

- "The KHW Company road to the Stock Exchange" – president Stanisław Gajos, Katowicki Holding Węglowy (KHW) S.A.

**1:00 p.m.** – Press meeting and a presentation of the Conference on "Clean Coal Technologies"; organizers: the PKE company and Kolporter EXPO (Press Office)

**5:00 p.m. – Ceremony of awarding the most interesting exhibits of the Exhibition MINING EXPO**

**5:30 p.m. – Evening celebrations for Exhibitors (admittance by invitation)**

### 12<sup>TH</sup> SEPTEMBER 2008

**10.00 a.m. - 4:00 p.m. – Exhibition open to the public**

**12:00 p.m. – Press conference concluding the 21<sup>st</sup> World Mining Congress & Expo 2008**

Official delegations of governments:

- Delegation of the Government of China with Deputy Minister of the State Administration of Work Safety, Mr Wang Xianzheng
- Delegation of India with:
  - Minister of State for Coal, Government of India, Mr Santosh Bagrodia
  - Chief Minister, Government of Jharkhand, Mr Madhu Kora
  - Minister for Steel & Mines, Government of Orissa, Mr Pradeep Kumar Amat
- Delegation of the Republic of Kazakhstan with Minister of Power Industry and Mineral Resources, Mr Sauat Mynbayev
- Delegation of the Komi Republic (Russian Federation) with:
  - the President of the Komi Republic, Mr Wladimir Torlopov
  - Minister of Coal Industry, Mr Nikolaj Gierasimow
- Delegation of the Government of Ukraine with the Minister of the Mining Industry of Ukraine – Wiktor Połtawiec

Delegations:

- Delegation from Vietnam Republic
- Delegation from Doneck (Ukraine)

Accompanying exhibitions:

- Mining Museum in Zabrze
- Polish Mine Emergency Equipment"
- "Mining Technology Inheritance"

Trips for participants of MINING EXPO:

- Historic Drift "Królowa Luiza" in Zabrze
- Historic Mine "Guido" in Zabrze

# MINING EXPO 2008



## auspices

Minister of Economy  
Ministry of Treasury

Górnicza Izba Przemysłowo-Handlowa  Mining Chamber of Industry and Commerce

## media auspices

 RZECZPOSPOLITA

 Trybuna  
Górnicza

 NOWY PRZEMYSŁ

 TVS  
TELEWIZJA  
SILESIA

 POLSKA THE 24TH TIMES  
DZIENNIK  
ZACHODNI

## media co-operation

 WORLD  
COAL

 Coal Age

 ДАРОПОЛЬЗОВАНИЕ

 RUSSIAN  
MINING

 УГОЛЬ

 NETTO.PL  
PORTAL TRYBUNY GÓRNICZEJ

 E&M

 COAL

 MINING WEEKLY

 MO

 STEINBRUCH

 napedy  
i sterowanie

 Беpr

 Fortian

 Surowce  
i Maszyny Budowlane

 powder  
bulk

 INFRASTRUKTURA

 energia

 WOPALIN

 ENERGETYKA

 IRM

 Wiadomości  
Górnice

 wn.p.pl

 MM  
Magazyn  
Przemysłowy

## THE ORGANISER & CONTACT PERSONS

The Kolporter Expo company is the organiser of MINING EXPO accompanying the 21<sup>st</sup> World Mining Congress 2008. It is managed by a team of dedicated professionals experienced in delivering successful international trade fair events which includes the sectors of the mining industry.

### CONTACT – MINING EXPO EXHIBITION OFFICE IN POLAND:

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e-mail: [malgorzata.sosna@kolporter.com.pl](mailto:malgorzata.sosna@kolporter.com.pl)

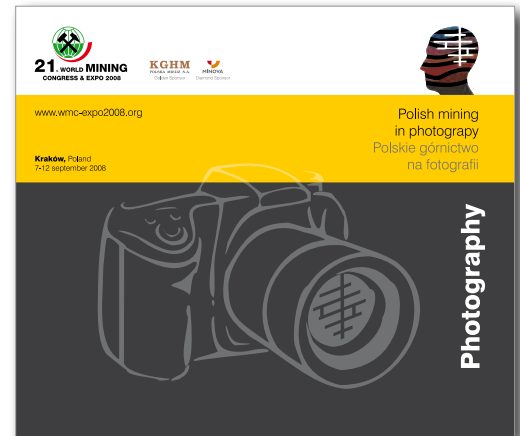
# The events accompanying the Congress

## EXHIBITION: POLISH MINING ON PHOTOGRAPHY

**29<sup>th</sup> August - 18<sup>th</sup> September, Planty Garden Ring, next to Bunkier Sztuki**

The exhibition presents 50 large format photographs depicting Polish mining industry in a unique way. Obviously you can find here dirty faces of miners and large scale mining machines but an unusual aura, amazing mystery and exceptional expression of that pictures do not allow you passing them indifferently.

The exhibition presents pictures made by various people – professionals and amateurs: Arkadiusz Gola, Krzysztof Boniecki, Adam Ruchel, Piotr Sobczak, Krzysztof Lisewski, Zbigniew Sulima, Jacek Jarosz and others. The fight of miners – the main actors of their photos – against the nature held a strange fascination for them. Presented pictures are only a part of huge photo collection gathered in the “Polish Mining in Photography”.



## EXHIBITION MARKED WITH COAL – SILESIAN ARTISTS OF MINING ORIGIN – PAINTINGS FROM THE COLLECTIONS OF NON-PROFESSIONAL ART OF THE SILESIAN MUSEUM IN KATOWICE

**7<sup>th</sup> - 11<sup>th</sup> September, the Exhibition Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.**

The exhibition presents the art of untrained artists from Upper Silesia. This common trend of Silesian art has been considered unique on the world scale.

We organized this exhibition with Silesian Museum in Katowice in order to show this unique phenomenon which is directly artistically and culturally connected with coal mining in Upper Silesia and is rooted in this region.



## MINING ON POLISH POSTAGE STAMPS – NATIONAL PHILATELIST EXHIBITION KRAKOW 2008, POSTAL CARDS PRINTED FOR SPECIAL OCCASIONS AND DATE STAMPS

**7<sup>th</sup> - 11<sup>th</sup> September, the Exhibition Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.**

National Philatelist Exhibition *Krakow 2008* shows mining on Polish postal stamps – from Poland’s independence after the First World War until today. We can see various motives like landscapes, mining facilities, miners at work, mining shaft towers, machines and facilities or mining lamps. Crossed mining hammers appear on the stamps very often (hammer and pick) it is the mining occupational emblem, figures of famous people connected with mining and minerals, products of miner’s work.



## The Events accompanying The Congress



### CONCERT OF ŚLĄSK SONG AND DANCE GROUP

7 p.m., 7<sup>th</sup> September – the Grand Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.

Śląsk Song and Dance Group was created in 1953. The founder and artistic director of Śląsk was Professor Stanisław Hadyna – the son of a Silesian music teacher and famous collector of folk songs. Śląsk Song and Dance Group is an artistic ensemble with great performance potential, performing not only on large world stages, but also in towns which cannot enjoy valuable artistic programme daily. The main idea of the Group is to show the richness of Silesian cultural sources against the background of the heritage of other countries. Śląsk Group prepared a special artistic programme for the participants of the Congress. They will present traditional Polish folk dances, Russian, Hindi, Ukrainian, Chinese dances and more...

### MINING ORCHESTRAS CONCERT AND PARADE

2 p.m., 8<sup>th</sup> September – the Main Square

Performance *Mining Traditions - Jump over a leather apron* will be preceded by the parade of mining brass orchestras. Starting at 2 p.m. 11 orchestras will perform in the Market Square. They are the best orchestras of Kompania Węglowa, Jastrzębska Spółka Węglowa, Katowicki Holding Węglowy, ZGH Bolesław, KGHM Polska Miedź S.A., Salt Mine in Wieliczka and Salt Mine in Bochnia. They will present the programme of typical Polish, folk and regional songs. The programme also includes a parade over main Krakow streets and concerts which show the musical work of particular orchestras on the specially prepared stage. You will also hear entertainment, film, classical and feast music.



fot: Zbigniew Sulima

"MINING TRADITIONS – THE JUMP OVER A LEATHER APRON", AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KRAKOW 2007



## The events accompanying the Congress



fot: Zbigniew Sullima

“MINING TRADITIONS – THE JUMP OVER A LEATHER APRON”, AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KRAKOW 2007

### PERFORMANCE MINING TRADITIONS - JUMP OVER A LEATHER APRON,

8 p.m. 8<sup>th</sup> September – Official parade from Auditorium Maximum of the Jagiellonian University starts 8:30 p.m. 8<sup>th</sup> September – Main Square – Performance *Jump over a leather apron – Mining Traditions*

The culmination point of the accompanying events to XXI World Mining Congress is an open air artistic event performed against the background of Cracovian market *Mining Traditions – Jump over a leather apron*.

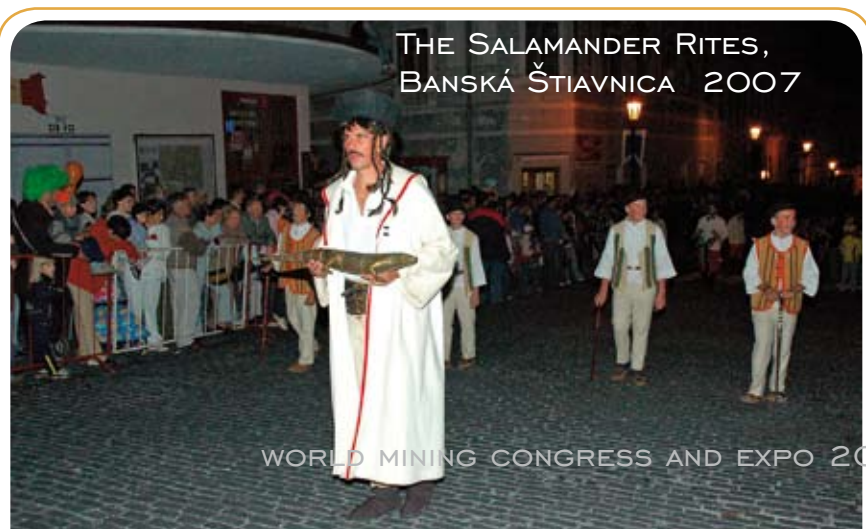
Event programme envisages evening parade of the participants of the Congress and invited guests in the light of the torches from the building of Auditorium Maximum of the Jagiellonian University to the Townhall in the Main Square where artistic performance showing the beauty of Polish and European mining traditions will take place.

The parade will be accompanied by several mining orchestras which will have participated in at 2 p.m. in a review of brass orchestras organized on the occasion of the Congress in the Market Square.

The main course of performance *Mining Traditions – Jump over a leather apron* goes back to the tradition and customs of old mining circles and features big emphasis on unity and strong human relationships, manifested at St. Barbara feasts when miners decided democratically together to accept new graduates to their profession, they gathered for prayer and had fun after a successful year.

Major part of the mining customs presented during the performance and especially the ritual of entering mining profession was transferred from Freiberg and Leoben by Polish students and professors to Poland and they automatically became the founding fathers of the University of Mining and Metallurgy established in 1919.

We hope that the performance prepared on the occasion of 21<sup>st</sup> World Mining Congress will match the original performance with its scope and mystery and will become an unforgettable attraction for all participants of the Congress and the route of the parade from Auditorium Maximum of the Jagiellonian University to the Market Square will be spontaneously watched by the residents of Krakow who will want to enjoy the sight of official mining uniforms, carriages, rector's ermines and nice music of mining brass orchestras.



THE SALAMANDER RITES,  
BANSKÁ ŠTIAVNICA 2007

# The events accompanying the Congress

## PERFORMANCE OF KAZIMIERZ KUTZ'S FILMS

Kazimierz Kutz is one of distinguished Polish film directors, he has directed over 20 films and 6 of them are about Silesia. His Silesian film trilogy is counted among the masterpieces of Polish film industry.

### *Salt of Black Earth (Sól ziemi czarnej)*

5 p.m., 9<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

Director: Kazimierz Kutz,

Produced in Poland in 1969

Poetical folk ballade about dramatic events of the Second Silesian Uprising of August 1920 – the story of old miner's family whose sons are fighting for their Polish land. The film does not show the course of the uprising, but it recreates its atmosphere and paints a collective portrait of Silesian folk. Summer of 1920 in Silesia. Seven brothers go fighting together with other guerrillas and they take over the town. The youngest one, Gabriel, gets a German uniform and steals away to the town held by the Germans where he falls in love with a young German nurse. Polish officer with a cannon comes to help the guerrillas during their fight. But the Germans are pressing hard. The father of the brothers dies. The unit goes back to the border. Many guerrillas are killed. Wounded Gabriel is carried over the river by girls. This is where he meets his three surviving brothers. Source: [www.filmpolski.pl](http://www.filmpolski.pl)

### *Pearl in the Crown (Perła w koronie)*

5 p.m., 10<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

Director: Kazimierz Kutz,

Produced in Poland in 1971

A lyrical story of a great love of young mining couple set against the background of Silesian life in the 1930s connected with the history of victorious strike of Polish miners against German mine owners. A certain continuation of *Salt of the Black Earth*. Mid 1930s in Silesia. Jaś works at the coalmine, he has got a wife and two sons. The management wants to close and unprofitable coalmine. A strike breaks up. Families help the striking miners, although the coalmine is surrounded by the police. Petitions to the government are left unanswered. The management does not relent. The miners start a hunger strike. The police chases away the demonstration. Determined miners send the last request: flood the coalmine together with us, we are not going out. The management signs an agreement. Emaciated miners go up. They come back to their families, Jaś is one of them. Source: [www.filmpolski.pl](http://www.filmpolski.pl)

### *Beads of One Rosary (Paciorki jednego różańca)*

5 p.m., 11<sup>th</sup> September – ARS Film Centre, Św. Jana str. 6

Director: Kazimierz Kutz,

Produced in Poland in 1979

Residential area of old mining houses is going to be demolished for the new blocks to be constructed. Some residents have already moved to the new flats, others are moving. Old furniture is bunt in front of old houses. Pensioner miner Habryka, saying goodbye to his neighbours announces that he will not leave his house. He tears up a certificate for the new flat. His wife must support him and his younger married son who lives with him understands his resistance. But his daughter in law moves to the new blocks when her husband is away. Meanwhile the day of demolishing comes. Habryka is visited by his older son who tries to convince him that he is making a mistake, even the manager of the coalmine where the younger son works comes here. But none of them can persuade the old miner to leave. One day his grandson comes back home beaten up and someone kills the miner's favourite rabbit. When demolishing team gathers in front of the house Habryka warns them that he put mines from the uprising under the foundations. Meanwhile it is decided at the coalmine that the harm done to Habryka must be adjusted, a labour leader and Silesian guerrilla who deserved something better than a small flat at the blocks. He gets a villa in Katowice. He moves there together with his wife, but they don't feel well in this alien, empty house. His wife tries to recreate the atmosphere of their old home. But her husband soon dies – like an old tree which withers after it has been replanted. Official funeral takes place. [PAT] Source: [www.filmpolski.pl](http://www.filmpolski.pl)

## The events accompanying the Congress



### **CONCERT OF SINFONIETTA CRACOVIA ORCHESTRA,**

12.30 p.m. 11<sup>th</sup> September – The Gand Hall, Auditorium Maximum of the Jagiellonian University, Krupnicza str.

The orchestra of the capital royal city of Krakow *Sinfonietta Cracovia*, counted among leading Polish and European chamber ensembles will perform during the farewell concert. We will listen to the following pieces:

- Antonio Vivaldi – *Four Seasons* op.8
- Krzysztof Penderecki – *Chaconne – in memoria Giovanni Paolo II* from *Polish Requiem* (dedicated to the memory of John Paul II)
- Wojciech Kilar – *Orawa* for string orchestra

*Sinfonietta*  
Cracovia





# Accompanying Persons's Programme



## 7<sup>TH</sup> SEPTEMBER 2008, SUNDAY

4:00 p.m. – Congress Opening and Welcome Party

## 8<sup>TH</sup> SEPTEMBER 2008, MONDAY KRAKÓW – CITY OF DIFFERENT CULTURES

Departure at 9:00 a.m. (duration c.a. 5 hours)

Return c.a. 2:00 p.m. ( Auditorium Maximum )

Start from the Auditorium Maximum: address: Krupnicza St.

Itinerary: walk to the Main Market Square (Rynek Główny), visit St. Mary's Church with the beautiful Gothic Altar, Sukiennice (Cloth Hall) – walk along the Royal Route to the Wawel Hill, visit Royal Cathedral, then walk to the former Jewish Kazimierz district.

Lunch in one of the restaurants located in Kazimierz District.

After lunch – transfer to the Auditorium Maximum.

8:00-10:00 p.m. – Entertainment show : mining traditions and traditional miner initiation rite (called "jump over a leather apron"). Start from: congress venue (Auditorium Maximum, address: Krupnicza Str.)

## 9<sup>TH</sup> SEPTEMBER 2008, TUESDAY OPENING OF EXPO IN KATOWICE

9:15 a.m. – Bus departure from congress venue (Auditorium Maximum, address: Krupnicza Str.

## 10<sup>TH</sup> SEPTEMBER 2008, WEDNESDAY A TRIP TO MOUNTAINS

Raft trip along Dunajec River in the Pieniny Mountains or in case of bad weather, a tour to Zakopane in the Tatra Mountains.

### RAFT TRIP ALONG DUNAJEC RIVER IN THE PIENINY MOUNTAINS

Departure at 9:00 a.m. (duration c.a. 9 hours). Return: c.a. 6:00 p.m.

Start from the Auditorium Maximum, address: Krupnicza Str.

Itinerary: transfer to Sromowce (115 km from Krakow), raft trip to Szczawnica, lunch in Niedzica.

The raft trip down the Dunajec river through the Pieniny Gorge and along the Polish-Slovak border is one of the greatest tourist attractions in Poland. The towering cliffs and the limestone rock formations of the gorge itself plus the picturesque mountain scenery, the surrounding national forest and the colorful river guides make for a wonderful day in a pristine and wild environment. For many centuries, the Dunajec valley served as an important trade route to Hungary and so Czorsztyn Castle (13th c.) and Niedzica Castle (14th c.) were built as strategic strongholds high on the cliffs on either side.

Our trip begins at the raft wharf in Sromowce and ends 15-km later in Szczawnica. It lasts c.a. 2,5 hours, depending on the water level of the river. While on the raft, you will enjoy an excellent view of the high summits of Trzy Korony and Mt. Sokolica. Transfer to Niedzica. Lunch (traditional Polish cuisine) complete with highlanders' music band.

Lunch will be served in the 17<sup>th</sup> c. wooden inn "Dwor" in Niedzica. After lunch – visit the Niedzica Castle.

KRAKOW, THE WAWEL HILL



# Accompanying Persons's Programme

## ZAKOPANE IN THE TATRA MOUNTAINS

Nestled at the foot of the spectacular Tatra Mountains, Zakopane is the winter sports capital of Poland and its most famous resort. During the winter, plentiful snow and challenging runs make for excellent skiing while the summer months offer hikers mountain lakes, glacial valleys and waterfalls. The mountains are also home to an unique and diverse range of flora and fauna. Our tour starts with a ride up a funicular railway to the top of Mt. Gubałówka and to see a wonderful view of the Tatras. After a short walk around the peak, we return down the funicular to visit the oldest part of Zakopane where the old cottages of the mountaineers still stand, surrounded by ash trees and blackened by the sun. These wooden houses and churches were built in the Zakopane style by the remarkable Polish artist, Witkacy.

In addition to the traditional mountain architecture, magnificent folk costumes and jewellery have also survived here to this day. To better experience the true Zakopane atmosphere, we take a walk along Krupówki, the central mall, lined with restaurants, cafes, boutiques and souvenir shops.

Lunch (traditional Polish cuisine) complete with highlanders' music band.

## 11<sup>TH</sup> SEPTEMBER 2008, THURSDAY WIELICZKA SALT MINE

**Departure at 8:30 a.m. (duration c.a. 4 hours). Return to Auditorium Maximum: c.a. 12:30 p.m.**  
**Start from the Auditorium Maximum, address: Krupnicza Str.**

**Itinerary: transfer to Wieliczka (18 km from Krakow), visit the Mine (2 hrs), transfer to the Auditorium Maximum**

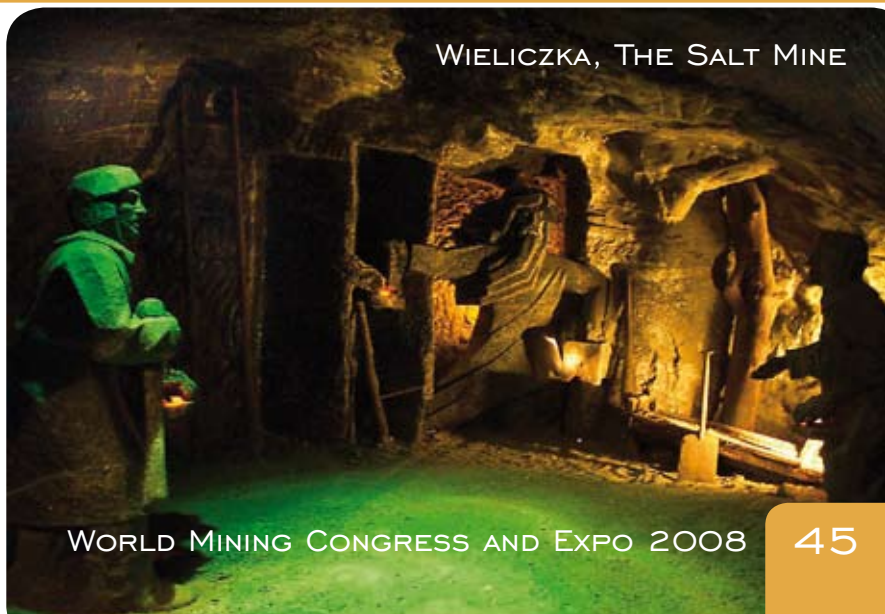
Legend has it that the salt mines in Wieliczka were part of the dowry of the Hungarian princess, Kinga, when she wed Bolesław the Shy over 700 years ago, making the Wieliczka Salt Mine one of the oldest in all of Europe. Over the centuries, devout and superstitious, miners have carved fabulous figures, monuments and altarpieces out of its salt walls. These amazing works of art, in addition to the mine's historical importance, have earned the Wieliczka Salt Mine a place on the UNESCO World Cultural Heritage list. Our route through the mine leads you through galleries and chambers on three levels, from 64 to 135 meters below the ground, including the unique and richly ornamented Chapel of the Blessed Kinga. The route is 2.5 km long and you have to walk down 400 steps all told. The last stop in the mine is the souvenir shop and snack bar. From here, a lift carries you back to the surface.

**12.30 - 13.30 P.M. FAREWELL CONCERT OF SINFONIETTA CRACOVIA ORCHESTRA, VIOLIN/  
CONDUCTOR: ROBERT KABARA**

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GORGE



WIELICZKA, THE SALT MINE



# POLAND

## Essential Information



**The Republic of Poland** is located in Central Europe with a coastline on the Baltic Sea. Neighbouring countries: Germany to the west, the Czech Republic and Slovakia to the south, Ukraine, Belarus and Lithuania to the east and Russia to the north. Poland also has a maritime border with Denmark and Sweden.

**Constitution:** Constitution of the Republic of Poland

**Official language:** Polish

**Capital:** Warsaw

**Political system:** parliamentary democracy

**Head of State:** President of the Republic of Poland Lech Kaczyński

**Head of Government:** Prime Minister Donald Tusk

**Speaker of the Sejm (lower house of parliament):** Bronisław Komorowski

### Area

□ total 322,575 km<sup>2</sup> (68<sup>th</sup>)

### Population (2007)

□ total 38,126,000 (32<sup>nd</sup>)

□ population density 122/km<sup>2</sup>

□ nationality – Poles: 96,7%

**Membership:** European Union, NATO, UN, OECD, WTO, Visegrád Group, Weimar Triangle, G6, G20 as EU member, OSCE, CENELEC, Council of the Baltic Sea States, Central European Initiative and many other international organizations

**Religion:** predominantly Roman-Catholic

**Currency:** złoty (PLN, zł)

**Time zone:** UTC +1 – winter; UTC +2 – summer

**ISO 3166 Code:** PL

**Internet TLD:** .pl

**Automobile code:** PL

**Calling code:** +48

Source: Wikipedia

### Climate

Poland has a temperate climate and lies in a zone of transition between an oceanic and a continental climate. The average yearly temperature in Poland oscillates from between 5°C and 7°C in the Pomeranian and Masurian Lakelands and in the highlands to between 8°C and 10°C in the subcarpathian valleys and in the Silesian and Greater Poland lowlands. Poland has six seasons: it is “richer” than other European countries in that it has an early-spring and an early-winter season.

### Visa policy in Poland

A visa is the basic mode for granting permission to enter the country under Polish law. People from many countries will not need a visa if they wish to visit Poland as tourists. Among these are all citizens of the European Union’s member states.

### Countries whose citizens may travel to Poland without a visa (for a period of 90 days):

Andorra, Argentina, Australia, Austria, Belgium, Brazil, Brunei, Bulgaria, Canada, Chile, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, El Salvador, Estonia, Finland, France, Germany, Greece, Guatemala, Honduras, Hong Kong (Special Administrative Region), Hungary, Iceland, Ireland, Israel, Italy, Japan, Latvia, Liechtenstein, Lithuania, Luxembourg, Macao (Special Administrative Region), Malaysia, Malta, Mexico, Monaco, Netherlands, New Zealand, Nicaragua, Norway, Panama, Paraguay, Portugal, Romania, San Marino, Singapore, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, United Kingdom, United States of America, Uruguay, Vatican (Holy See), Venezuela.

More information can be found on the Ministry of Foreign Affairs’ internet site: [www.msz.gov.pl](http://www.msz.gov.pl)

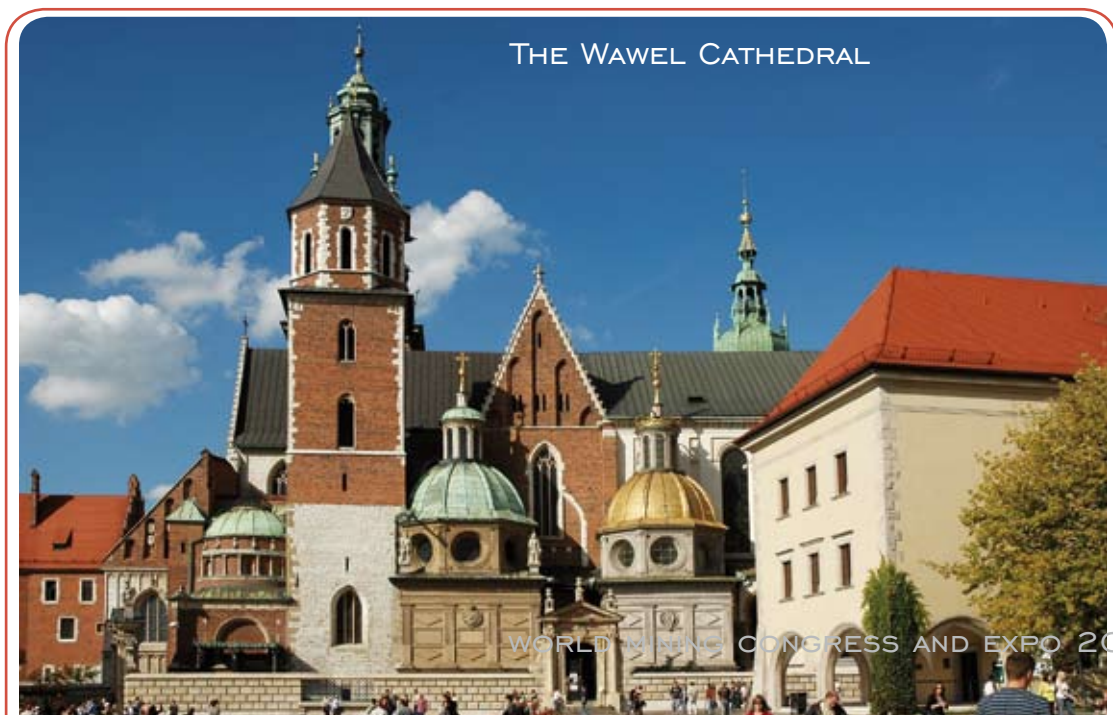
# KRAKOW

## Essential Information

**Krakow** – to give it its full name: The Royal Capital City of Krakow, by many considered to be the cultural and spiritual capital of Poland – has a centuries long and rich history. The location of the city is connected with many legends. The name of the city, according to the legend written down at the end of the 12<sup>th</sup> Century by the chronicler Wincenty Kadłubek, stems from the name of Prince Krak, the legendary ruler of Poland, who resided in the castle he built on the top of the Wawel Hill and who founded a fortified town called Krakow in the vicinity of the castle. The uniqueness of Krakow is not easy to explain to those, who have not visited the city. This exceptional quality of the city is associated in the first place with a unique cultural heritage realised in the buildings of the city. This was the place, where in the year 1000 the Roman Catholic diocese was established. As Krakow was the country's capital between the 11<sup>th</sup> and 17<sup>th</sup> centuries, so this was the place where the castle in which Polish kings resided was built on the top of the Wawel Hill, which was at the same time the site of kings' coronations and their burying place. This is also the city where the Krakow Academy – the first Polish university (currently the Jagiellonian University) – was founded in 1364. The face of the city changed throughout the centuries. In the Middle Ages Krakow was a safe, rich and fortified city surrounded by city walls adorned by 55 watch towers (some of the city fortifications have been preserved until today). During Renaissance times Krakow was the centre of progressive thought and culture, drawing the most brilliant humanists, writers, architects and musicians. Up until the 17<sup>th</sup> century Krakow was the state capital. And even a few centuries later, in times of economic crisis during the modern era, Krakow was the place where nearly all the Polish artistic elite could find a safe heaven. An interesting fact – the life of the city was always concentrated

around the city's Main Square – the second most important European forum after St Mark's Square in Venice. In Krakow tradition is closely intertwined with modern times and nearly every stone has its history. The personification of these historical times can be found in nearly 6 thousand historic buildings from all epochs. The "mobile" supplements to these historic buildings are nearly 2.5 million art works, which can be found in Krakow's museums, churches and archives. Thanks to this unique concentration of cultural achievements the city was entered on the list of the 12 sites forming the UNESCO World Heritage List. It is impossible to list all the tourist attractions of the city. It is, however, certain that everyone will be able to find his or her own "magical" Krakow. While some may follow Nicholas Copernicus, others may be interested in places associated with John Paul II. One may be enchanted by the unique underground corners of the 17<sup>th</sup> century salt mine in Wieliczka, another may spend long hours ambling through the streets of the old Jewish Quarter – Kazimierz and yet another may become enchanted by the beauty of the Wit Stwosz altar in St. Mary's Basilica. Taking advantage of its geographical location, Krakow aims to be a meeting place for different cultures and nations. It successfully aspired to being a Central European metropolis, a city of culture, art and science. 17 tertiary education institutions have their seats in Krakow. Numerous brilliant artists live in Krakow and the list of the city's cultural events and festivals is also impressive. The culmination of these cultural events was the year 2000, during which Krakow was proud to hold the name of European City of Culture, awarded to the city by the EU Council of Ministers.

Source: [www.krakow.pl](http://www.krakow.pl)



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# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

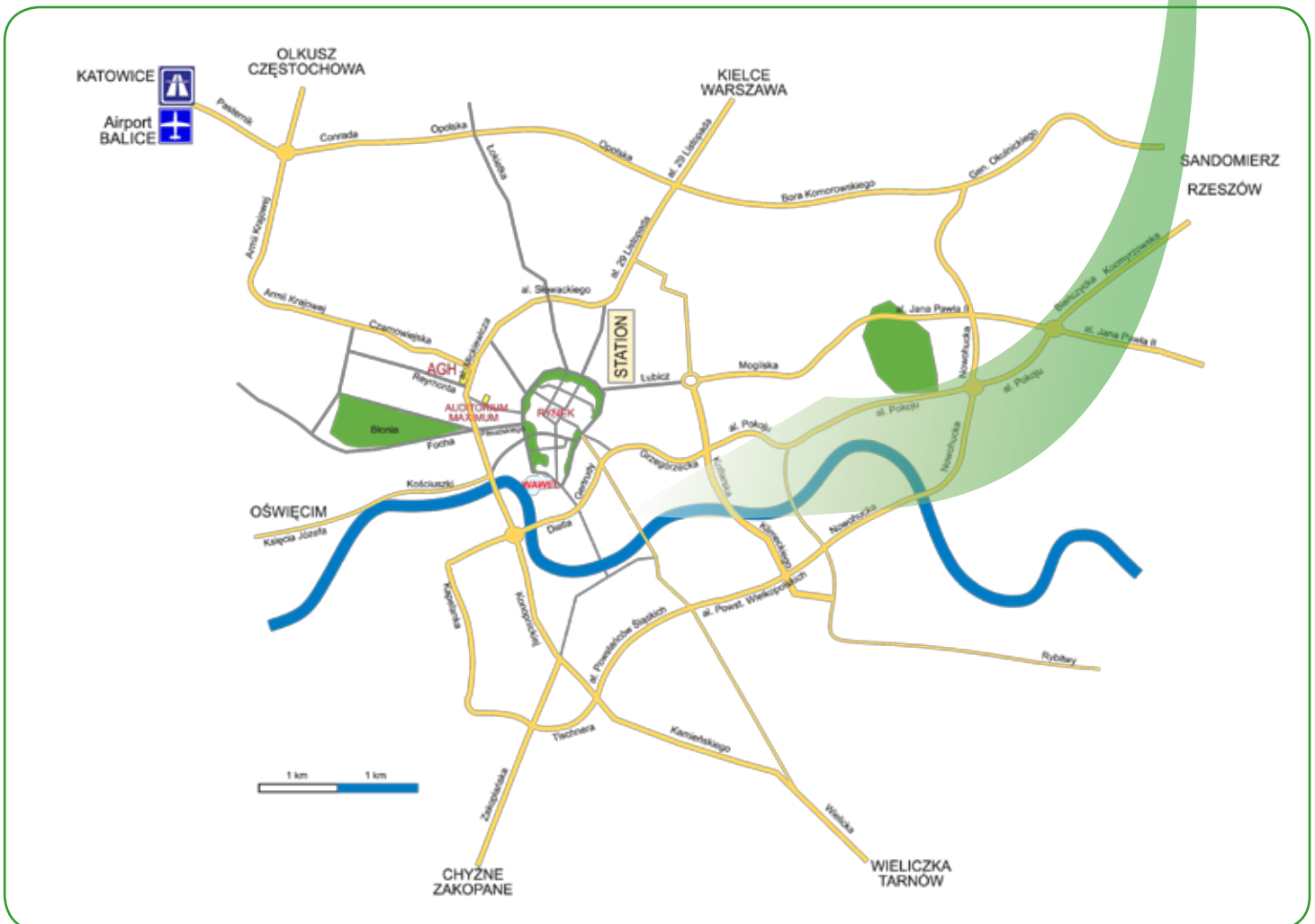
## Congress Location

The sessions of the 21<sup>st</sup> World Mining Congress will be held in lecture halls of:

- "Auditorium Maximum" – the Jagiellonian University new congress centre
- The AGH University of Science and Technology

Outgoing sessions will be held in:

- Belchatow (lignite coal mine)
- Lubin (copper ore mines)
- Katowice
- Wieliczka



# 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008



## 21<sup>ST</sup> WORLD MINING CONGRESS & EXPO 2008

### IMPORTANT TELEPHONE NUMBERS

#### CONGRESS OFFICE

Al. Mickiewicza 30, C-1, 322A  
30-059 Kraków  
Tel.: + 48 12 617 46 04,  
Mobile: +48 692 439 360  
Tel./fax. + 48 12 617 46 05

#### EMERGENCIES

Ambulance: **999**  
Fire Brigade: **998**  
Police: **997**  
Police Station in the Main Market Square:  
Rynek Główny 29; 24/7 phone: **+48 12 615 73 17 (24/7)**  
All emergencies, phoning from a mobile telephone: **112**

#### MEDICAL AID

Medical Information, phone: **+48 12 661 22 40**  
Medical Information: **94 39**

#### PASSPORT ISSUES AND QUESTIONS

Department of Citizen Affairs of the Office of  
Małopolska Region (Urząd Wojewódzki) in Krakow  
ul. Św. Sebastiana 9-11  
(Mon 9 a.m. - 5 p.m., Tue-Fri 8 a.m. - 3 p.m.)  
phone: **+48 12 42 21 115** (office)  
phone: **+48 12 61 60 820** (passport information)  
phone: **+48 12 61 60 804** (information for foreigners)

#### PRESS OFFICE OPENING HOURS

Sun-Thu 9 a.m. - 19 p.m.



The Congress Website:

e-mail: [office@wmc-expo2008.org](mailto:office@wmc-expo2008.org)

# www.wmc-expo2008.org



**21<sup>st</sup> WORLD MINING**  
CONGRESS & EXPO 2008



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