

**Title of the session:** From the deposit to... coal quality - use of modern technologies in coal processing

**Date:** 12.04.2019r.

**Location of organization of the thematic session** – The Management Board Office JSW S.A., room 502, 5 floor,

**Expected time of presentations:** – 15 min.

**Time:** 9.00 – 15.00

**Supervisor of the session** – Roman Wenglorz, mob. 668 193 873, rwenglorz@jsw.pl

**Leader of the session** – Prof. dr hab. eng. Wiesław Blaschke Polish Academy of Science  
Prof. dr hab. eng. Barbara Tora AGH

**Description of the session:**

The proceedings will be divided into three parts:

- I. Implementation of tasks in the area of industrial adjustment of the organizational structure, technologies and means of production to the market expectations, production needs and coal resources JSW S.A.
- II. Mechanical processing of minerals in the country and worldwide - experience, applications and technological progress in the vicinity of underground mining.
- III. Industry support from universities and research institutes, offer and technology transfer.

**Agenda:**

**Part I 9:00 – 11:00**

1. The development path of the Mechanical Coal Processing Plant JSW S.A. from the beginning of the century until today - what have we changed, where are we going?  
*author: Kazimierz Buchta – Coal Processing Team JSW S.A.*
2. Modernization of the coal processing plant in JSW S.A. „Budryk” mine  
*authors: Janusz Babczyński,  
Marek Konopka*
3. Modernization of the coal processing plants in „Borynia-Zofiówka-Jastrzębie” mine.  
*authors: Jan Kot,  
Marian Mokrosz*
4. Optimization of coking coal production in the aspect of ongoing modernization of processing plants „Knurów-Szczygłowice” mine.  
*authors: Marcin Zniszczoł,  
Lesław Świech*
5. Estimation of resources on the example of selected coal seams based on the digital geological model of the deposit  
*authors: Jacek Knieć,  
Piotr Sosnowski – „Knurów-Szczygłowice” mine.*
6. The possibilities to improve production planning - selected examples of the use of the 3D model  
*authors: Dariusz Owczarek,  
Krzysztof Przontka - „Budryk” mine.*
7. „Bzie-Dębina” mine – quality parameters of coal in the 3D deposit.  
*author: Grzegorz Strzelec – Coal Quality Team JSW S.A.*

Coffee, tea break 11:00 – 11:15

**Part II 11:15 – 13:00**

1. Digitization of drilling cores with optical scanner DMT CoreScan®3  
*authors: Miroslaw Hojka,  
Jakub Hojka – GRAFIT company*
2. Dense Medium Cyclones - facts and myths!  
*authors: Piotr Myszkowski – Pro-Industry,  
Artur Bogusław – PG Silesia*
3. Dehydration of coal concentrate in steam-pressure filters BOKELA  
*author: Marcin Czapek – Pro-Industry*
4. The development and application of modern technologies in coal processing.  
*author: Mark Cresswell - DRA Global (South Africa)*
5. RENOCLEAN AIR ... – a new range of dust control products  
*authors: Aleksandra Kupfer - Fuchs Oil Corporation (PL)  
Aleksander Czerniuk - Fuchs Oil Corporation*
6. The use of modern technologies in coal processing  
*authors: Rafał Bystrowski,  
Sławomir Przeciszowski – BPRI Separator, Grupa FAMUR*

Lunch 13:00 – 13:45

**Part III 13:45 – 15:15**

1. Innovative solutions for coal processing implemented in ITG KOMAG  
*authors: prof. dr hab. eng. Aleksander Lutyński,  
dr hab. eng. Dariusz Prostański*
2. Improvement of parameters of coal separation in jigs by averaging the feed using the dry descaling method  
*authors: prof. dr hab. eng. Wiesław Blaschke,  
dr hab. rng. Ireneusz Baic - IMBiGS, O. Katowice*
3. Quality parameters of coking coal from JSW SA and their stability on the background of imported coals and expectations of coke producers  
*Authors: prof. dr hab. eng. Aleksander Karcz,  
dr hab. eng. Andrzej Strugała,  
dr eng. Tadeusz Dziok - AGH*
4. The use of welded slotted screens produced by Progress Eco in the processes of extraction and processing of hard coal, oil, natural gas and uranium.  
*Authors: dr eng. Piotr Pasiowiec,  
mgr eng. Klaudia Bańczyk,  
mgr eng. Józef Brożyna,  
mgr eng. Jerzy Wajs -|Progress Eco sp. z o.o., SK;  
prof. dr hab. eng. Barbara Tora – AGH*
5. Coal processing 4.0 - challenges and opportunities  
*autor: dr hab. inż. Dariusz Foszcz - AGH, Wydział Górnictwa i Geoinżynierii*
6. Cooperation of the Department of Environmental Engineering and Mineral Processing AGH with Bolesław Mining and Metallurgical Plant  
*author: prof. dr hab. inż. Barbara Tora*

Questions and explanations for presentations.

**Summary and closing of the session – 15:15**