

## MIREU Workshop on skills requirements in mining and metallurgy industry

**5 – 6 December 2019**

Hosted by AGH University of Science and Technology

Venue: AGH UST, 30 Mickiewicza Av., 30-059 Kraków, pav. A4, room 15

The **AIM** of the workshop is to exchange experiences between representatives of universities, mining and metallurgical industry and administration body in the scope of future skills that will be required by the mining and metallurgical industries. Industrial revolution 4.0, environmental restrictions as well as needs of combination soft and hard skills both by mining and metallurgy staff and also administrative one will be discussed. The workshop will result in working out common recommendations for future skills requirements, that will be presented to the European Commission. Recommendations will also be the basis for further joint activities in the form of projects, clusters, workshops, training, etc.

In addition, workshop participants will take part in the celebrations of St. Barbara at AGH. It will be an opportunity to establish new contacts with the mining industry and get acquainted with mining traditions, thanks to which the continuous contact of the university and industry is maintained.

### THURSDAY, 5 DECEMBER 2019

**08.30–09.00** Registration (pav. A4, room 15, I floor)

**09.00–09.15** Welcoming and brief presentation of AGH UST and Faculty by **Professor Marek Cała** – Dean of the Faculty of Mining and Geoengineering

#### **09.15–10.30 Section 1. TRAINING AND EDUCATION**

Educational program and co-operation with mining and metallurgy industry – **Zbigniew Niedbalski**, Vice-Dean, Faculty of Mining and Geoengineering; **Beata Leszczyńska-Madej**, Vice-Dean, Faculty of Non-Ferrous Metals, AGH UST

Future skills in mining and metallurgy industry – **Marco A Konrat Martins**, La Palma Research Centre, INTERMIN project

Worldwide mapping and educational program INTERMIN – **Philipp Hartlieb**, Montanuniversität Leoben, **Marco A Konrat Martins**, La Palma Research Centre, INTERMIN project

Skill assessment methodology to help identify the skill gaps and therefore the training needs – **Laurence Lamm**, EIT Rawmaterials Gmb, Mineral & Metallurgical Processes

**10.30–10.45** Coffee break



**10.45–11.45 Section 2. FUTURE NEEDS OF TRAINING**

Influence of automatics on present and future mining – **Waldemar Rączka**, Faculty of Mechanics and Robotics, AGH-UST

KGHM 4.0 in the aspect of development of new skills and competences of the mining and metallurgical area – **Łukasz Szwancyber**, KGHM Polska Miedź SA

Future skills for metallurgy industry – training systems and cooperation with academies – **Gabriel Gilis**, ArcelorMittal Poland

**12.00–13.00 Lunch in Lunch Cafe (15 Reymonta Street)**

**13.00–14.15 Section 3. SOFT SKILLS REQUIRED BY INDUSTRY AND ADMINISTRATION REPRESENTATIVES**

Assessment of skills requirements and availability in the MIREU regions in context of administration – **Anna Ostreǵa** and **Zuzanna Łacny**, AGH UST, Faculty of Mining and Geoengineering

Mine specialization program – **Joni Kivipelto**, The Centres for Economic Development, Transport and the Environment of The Ministry of Economic Affairs and Employment of Finland

Soft skills – necessity or current trend? – **Joanna Pyrkosz-Pacyna**, AGH UST, Faculty of Humanities

**14.15–16.00** General discussion on topics presented in three sections and formulating recommendation. **Moderator: Andrzej Biessikirski and Laurence Lamm**

**19.00 Dinner in CK Browar (6/7 Podwale Street, 31-118 Kraków)**

**FRIDAY, 6 December 2019 2019**

**Saint Barbara events at AGH**

**11.00** AGH University authorities meeting with Guests from industry and universities arriving at the ceremony (ZPiT "Krakus", 15 Reymonta Street)

**13.00** Ceremonial Meeting of the AGH UST Senate (Assembly Hall, Pav. A0) and a traditional „jump over the leather apron” (Hall, Pav. A0)

**16.30** Traditional miners gala dinner/meeting (Stara Zajezdnia, 12 St. Wawrzyńca Street)

**Contact persons:**

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**Registration is required by a short form: <https://forms.gle/RsFRJxeRRnLS1P1e9>**



**ZPTiT “Krakus”**  
AGH University authorities meeting with Guests  
address for taxi: 15 Reymonta Street

**Pawilon A-4**  
MIREU Workshop  
address for taxi: 11 Reymonta Street

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