

MIREU Workshop on skills requirements in the mining and metallurgy industry

5 – 6 December 2019

Hosted by AGH University of Science and Technology

The aim of the workshop is to exchange experiences between representatives of universities, the mining and metallurgical industry, administration and regulatory bodies in the scope of the future skills that will be required by the mining and metallurgical industries. Industrial revolution 4.0, environmental restrictions as well as the needs of combinations soft and hard skills both by mining and metallurgy staff as well as administrative staff 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 (about 900 participants) and get acquainted with mining traditions, thanks to which the continuous contact between the university and industry is maintained.

THURSDAY, 5 DECEMBER 2019

08:30-09:00 Registration (Aula JSW, pav. A4, room 220 or pav. A0 room 106? Depending on number of participants)

09:00-09:10 Welcome by **Professor Marek Cała** – Dean of the Faculty of Mining and Geoengineering

Section 1. TRAINING AND EDUCATION

09:10-10:30 General introduction to workshop and results of the report ASSESSMENT OF SKILLS REQUIREMENTS AND AVAILABILITY IN THE MIREU REGIONS – **Anna Ostręga** and **Andrzej Biessikowski**, AGH UST

Future skills in the mining and metallurgy industry – **M. A. K. Martins**, La Palma Research Centre

Worldwide mapping and educational programme INTERMIN – **Philipp Hartlieb**, Montanuniversität Leoben

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

10:45-11:45 **Section 2. FUTURE NEEDS OF TRAINING**

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

The role of automation in the mining process now and in the future - risks and opportunities – **TBD**, KGHM Polska Miedź SA

Future skills for the metallurgy industry – training systems and cooperation with academies – **Gabriel Gilis**, Accelor Mittal Polska

12:00-13:00 **Lunch (Professors Club)**

13:00-15:30 **Section 3. SOFT SKILLS REQUIRED BY INDUSTRY AND ADMINISTRATION REPRESENTATIVES**

Mine specialisation programme – **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

Skills requirements for administrative and regulatory body with regards to Industry 4.0 – **TBD** Ministry of Labor, Social Affairs and Family in Slovakia

Panel discussion on topics presented in three sections and formulating recommendation. Moderator: Andrzej Biessikirski

19:00 **Dinner in CK Browar**

FRIDAY, 6 DECEMBER 2019

St. 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 meeting* (Stara Zajezdnia, 12 St. Wawrzyńca Street)

* There is entrance fee. More details concerning this day will be sent to you in November.

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Registration is required at <https://forms.gle/RsFRJxeRRnLS1P1e9> by 15 November 2019.