



**Łukasiewicz Research Network – Institute of Non-Ferrous Metals  
Association of Engineers and Technicians of Non-Ferrous Metals Industry (SITMN)**

have a pleasure to invite

to take part in the International Conference

**„Circular Economy in Non-Ferrous Metals Industry”**

**dr inż. Barbara Juszczyk**

**Łukasiewicz - Instytut Metali Nieżelaznych Managing Director**

**prof. Zbigniew Śmieszek**

**SITMN Chairman**

Conference venue:

**Kraków, Hotel Novotel Centrum**

**T. Kościuszki St. 5**

Date: **February 26-28, 2020**

**We ensure the simultaneous translation.**

## Conference Programme

### 26.02.2020 – Wednesday

13<sup>00</sup> Lunch

17<sup>00</sup> Coffee break

**14<sup>30</sup> Opening of the Conference** – prof. Z. Śmieszek, KGHM Vice President – Adam Bugajczuk; Łukasiewicz – IMN Managing Director – dr inż. B. Juszczak, PIGZT President – prof. R. Pregiel, ZGH „Bolesław” President – B. Ochab, Director of the Polish National Contact Point – Zygmunt Krasiński

### **15<sup>00</sup> General Session – prof. J. Kulczycka – IGSMiE PAN – Session Chairman**

1. Prof. B. Friedrich – RWTH - Aachen – “Circular economy – challenges a opportunities”
2. N. Piret – “Challenges towards a circular economy in the non-ferrous metals sector”
3. J. Meng – International Study Groups – „Base Metals – the Enablers of Circular Economy”
4. S. Bourg – Prometia – “Raw materials for the strategic EU industrial value chain for batteries”
5. K. Kubacki – ECC EIT Raw Materials – “Circular economy - EIT Raw Materials perspective”
6. K. Słupek – EUROMETAUX – “EU Circular Economy – recommendations for the 2.0 Package”
7. J. Piekarski – Polish National Contact Point – „Circular economy in the EU Programmes – Horizon2020 and Horizon Europe”
8. K. Błachowicz – Centrum Kooperacji Recyklingu – „Non-ferrous metals in the value chains and business models based on circular economy”

**19<sup>00</sup> Dinner at the Hotel**

**21<sup>00</sup> „Piwnica pod Baranami” – Jazz Concert**

### 27.02.2020 – Thursday

11<sup>00</sup> and 16<sup>30</sup> Coffee breaks

13<sup>30</sup> Lunch

**9<sup>00</sup> Session II – Circular economy in copper industry – Director W. Boczar, Director L. Garycki KGHM PM S.A.**

#### **– Session Chairmen**

1. Circular economy in KGHM Polska Miedź S.A. - W. Kowalczyk, J. Wandzio, I. Kotarska, K. Rogóż
2. Circular economy in Głogów Copper Smelter – HM Głogów – K. Kwiatkowska
3. Technologies for processing of WEEE – M. Franek Outotec,  
N.P. Borowski – SMS Group  
S. Konetschnik - UrbanGold
4. Recycling of rhenium containing scraps – J. Śmieszek, K. Leszczyńska – Sejda, T. Grabowski,  
G. Benke, A. Domagała, D. Kopyto, J. Deryło – Innovator Sp. z o.o. and Łukasiewicz – IMN
5. Technology for recycling of copper based technological scraps from cables  
– K. Korzeń – AGH WMN

**Session III – Circular economy in Zn and Pb industry – B. Ochab – President of the Board of ZGH „Bolesław” – Session Chairman**

1. Processing of flotation tailings in ZGH „Bolesław” S.A., - K. Cichy, Ł. Skrzypiec - Łukasiewicz – IMN, C. Reguła, M. Wójcicki – ZGH „Bolesław” S.A.
2. Processing of EAF dusts in the Waelz kiln – J. Czekaj, J. Jakubowski – ZGH „Bolesław” S.A., R. Michalski - Łukasiewicz – IMN
3. ISP process for processing of Zn and Pb wastes – M. Indyka, K. Wilk - HC „Miasteczko Śląskie” S.A., – R. Prajsnar – Łukasiewicz – IMN
4. „New method for X-ray analysis and its application in waste separation” – J. Kończak – COMEX POLSKA Sp. z o.o.
5. Recovery of indium from semi-finished products of Zn and Pb pyrometallurgy – A. Piotrowicz, prof. S. Pietrzyk – AGH WMN

**Session IV – Circular economy in the scope of batteries and accumulators – N. Piret – Session Chairman**

1. European Battery Alliance – Ł. Sołtysiak – Ministerstwo Rozwoju
2. „Batteries Europe – the status of work on the new research and innovation ecosystem in the area of Li-ion batteries”: M. Kozak - ELEMENTAL Holding SA
3. Technologies for processing of Li-on batteries:  
Outotec Battery Recycling Technologies – M. Franek Outotec  
P. Gajowski – PTH Technika, K. Leszczyńska – Sejda – Łukasiewicz – IMN
4. Processing of spent lead batteries: M. Zając - Baterpol S.A., I. Staniewski - Orzeł Biały S.A., Ł. Myćka – Łukasiewicz – IMN

**20<sup>00</sup> Dinner at „Ariel” Restaurant, Kazimierz District**

**28.02.2020 – Friday**

11<sup>00</sup> Coffee break

13<sup>00</sup> Lunch

**9<sup>00</sup> Session V – Circular economy in Al processing – dr inż. B. Juszczyk – Łukasiewicz – IMN Managing Director – Session Chairman**

1. Processing of Al containing scraps – Sz. Adamczyk – Alumetal S.A.
2. "Secondary processing of aluminium scraps, including hard-to-recycle scraps" – P. Rutecki, Impexmetal S.A. Huta Aluminium Konin
3. New recycling method for continuous casting of aluminium based ingots with application of electromagnetic modification of the structure – prof. P. Kwaśniewski – AGH WMN
4. „Circular economy in the field of production of Al cast alloys” – W. Wężyk – PMN Bobrek

General Discussion

12<sup>00</sup> – Closing of the Conference