



**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**

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

1. Prof. B. Friedrich – RWTH - Aachen – “Circular economy – challenges and 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. J. Piekarski – Polish National Contact Point – „Circular economy in the EU Programmes – Horizon2020 and Horizon Europe”

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

### **21<sup>00</sup> „Piwnica pod Baranami”**

## 27.02.2020 – Thursday

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

13<sup>00</sup> Lunch

### **9<sup>00</sup> Plenary lecture – Łukasiewicz - IMN activity in the scope of circular economy in metallurgy**

– dr inż. A. Chmielarz, prof. IMN – Łukasiewicz - IMN

### **Session II – Circular economy in copper industry – A. Bugajczuk – President of the Board of KGHM PM S.A. – Session Chairman**

1. Circular economy in KGHM Polska Miedź S.A.
2. Circular economy in Głogów Copper Smelter – HM Głogów
3. Technologies for processing of WEEE – M. Franek Outotec,  
N.P. Borowski – SMS Group
4. 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 waste – 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 – prof. S. Pietrzyk – AGH WMN

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

1. European Battery Alliance - J. Staniłko – Ministerstwo Rozwoju
2. Technologies for processing of Li-on batteries: Ch. Hagelüken – Umicore  
P. Gajowski - PTH Technika – IMN  
K. Leszczyńska Sejda – Łukasiewicz IMN
3. Processing of spent lead batteries: M. Zając - Baterpol S.A.  
I. Staniewski - Orzeł Biały S.A.  
S. Kulawik – Łukasiewicz – IMN

**20<sup>00</sup> Dinner at „Klezmer Hois” Restaurant, Kazimierz**

**28.02.2020 – Friday**

11<sup>00</sup> Coffee break

13<sup>00</sup> Lunch

**9<sup>00</sup> Circular economy in Al processing – dr. B. Juszczak – Łukasiewicz - IMN Managing Director, prof. dr T.**

**Knych – Dean of the Faculty of Non-Ferrous Metals, AGH – Session Chairmen**

1. Processing of Al 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 – 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