

INTERNATIONAL PROCESS METALLURGY SYMPOSIUM

Metallurgy as a tool for challenges in circular economy

5 – 6 November, 2019

Aalto University School of Chemical Engineering
Department of Chemical and Metallurgical Engineering
Espoo, Finland



SYMPOSIUM

The purpose of this International Process Metallurgy Symposium is to bring together researchers and industry experts to share latest results and developments in the area of Process Metallurgy, or extracting metals from their primary and secondary raw materials in a sustainable manner.

This Symposium has the sub-title of “Metallurgy as a tool for challenges in circular economy”, which emphasizes the important role metallurgy and metallurgists have in solving the resource deficit in metals and minerals. We have already seen the shift from “traditional” raw material research towards recycled materials and their impact on metallurgical processes. Another emerging or growing trend is the need and request for minimizing and utilizing waste in processes. All this underlines the importance of fundamental metallurgical research, knowledge and education, when we are changing from linear economy towards Circular Economy of Metals.

The presentations of the Symposium focus on secondary raw materials or their elements' behavior in metallurgical processes, or industrial integration. The topics have theoretical, experimental, simulation or modeling, as well as industrial approach. Further on, environmental and advanced materials preparation issues in the secondary material processing are also covered in the Symposium.

We also continue to bring together doctoral students and professionals from industry. Metallurgy students in European universities have been encouraged to participate and conduct this Symposium as a part of their postgraduate studies by preparing individual tasks to be informed after enrolment. Professor emeriti Pekka Taskinen and Olof Forsén supervise this doctoral course.

Peer review process is available for the papers submitted. Symposium proceedings is prepared in electronic format from the presentation slides and papers submitted and accepted in the peer-review process.

