

PROGRAMME – CONFERENCE IN MINERALS ENGINEERING 2022

Day 1: Tuesday, February 8, 2022

12.30 – 13.00	Conference room opens
13.00 – 13.10	Jan ROSENKRANZ, Luleå University of Technology <i>Welcome, Recent developments in Mineral Processing at LTU</i>

Session 1 – Characterization

Session chair: Mehdi Parian

13.10 – 13.30	Alan R BUTCHER, Geological Survey of Finland, Finland <i>Mineral Traceability in the Mining Industry – How Far Have We Got with the BATtrace Project?</i>
13.30 – 13.50	Andrew H. MENZIES, Bruker Nano GmbH, Germany <i>Predictive Mineral Processing: High-Speed Micro-XRF Analysis of Rock Samples and Drill Cores</i>
13.50 – 14.10	Pejman OGHAZI, FLSmidth AB, Sweden <i>Sampling, Preparation and Analysis for Mining Industry</i>
14.10 – 14.30	Quentin DEHAINE, Geological Survey of Finland, Finland <i>Learnings From the BATCircle Project – A Geometallurgical Case Study on Gold-Cobalt Ores from Finland</i>
14.30 – 14.50	Questions and discussion
14.50 – 15.00	Break

Session 2 – Processes

Session chair: Bertil Pålsson

15.00 – 15.20	Bo ARVIDSON, Bo Arvidson Consulting LLC <i>The Dannemora Iron Ore Mine Coming Back to Life Story</i>
15.20 – 15.40	Charlotte ANDERSSON, Luleå University of Technology, Sweden <i>The Role of Magnesium in Iron Oxides During Induration</i>
15.40 – 16.00	Teppo RIIHIMÄKI, VTT Technical Research Centre of Finland, Finland <i>New Low Waste Sulfate Method for Recycling Zinc and Iron from EAF Dust</i>
16.00 – 16.20	Nathália VIECELI, Chalmers University of Technology, Sweden <i>Effect of Graphite Removal by Froth Flotation on the Leaching Efficiency of Metals from Spent Lithium-Ion Batteries: A Preliminary Study</i>
16.20 – 16.40	Questions and discussion

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Day 2: Wednesday, February 9, 2022

08.45 – 09.00	Conference room opens
09.00 – 09.10	Charlotte ANDERSSON, Luleå University of Technology <i>New education at Luleå University of Technology</i>

Session 3 – Flotation

Session chair: Tommy Karlkvist

09.10 – 09.30	Bertil I. PÅLSSON, Luleå University of Technology, Sweden <i>The Case for Dixanthogen Induced Flotation of Pyrrhotite</i>
09.30 – 09.50	Krzysztof KOLMAN, Nouryon Surface Chemistry AB, Sweden <i>New Collectors for Sustainable Mineral Flotation</i>
09.50 – 10.10	Nathalie KUPKA, Metso Outotec Oy, Finland <i>Opening a New Way to Fine and Ultrafine Particles Recovery in Flotation with the Concorde Cell</i>
10.10 – 10.30	Vitalis CHIPAKWE, Luleå University of Technology, Sweden <i>Assessment of Nanobubble Assisted Flotation Readiness</i>
10.30 – 10.50	Questions and discussion
10.50 – 11.00	Break

Session 4 – Comminution

Session chair: Jan Rosenkranz

11.00 – 11.20	Jari RUUSKA, University of Oulu, Finland <i>Automation Meets the Metal and Mineral Industry Applications</i>
11.20 – 11.40	Peter KARLSSON, Boliden Mineral AB, Sweden <i>Boliden Process Technology R&D – A Geometallurgical Study on The Correlation Between Rock Type Mineralogy and Grindability</i>
11.40 – 12.00	Niina PAASOVAARA, University of Oulu, Finland <i>Hugger Comminution Based on Free Crushing Method</i>
12.00 – 12.20	Magnus EVERTSSON, Chalmers University of Technology, Sweden <i>Insights From Utilising DEM for Re-design of a Cone Crusher Feed System</i>
12.20 – 12.40	Questions and discussion
12.40 – 12.45	Conference closing