PROGRAMME

Conference in Minerals Engineering
Konferens i Mineralteknik

Luleå, 7 - 8 February 2017

Mineral Processing
Mineralteknik

www.ltu.se
## PROGRAMME – CONFERENCE IN MINERALS ENGINEERING 2017

**Tuesday, February 7, 2017**

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10.00 – 10.30</td>
<td>Registration and coffee</td>
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| 10.30 – 11.30 | Jan Rosenkranz, Luleå University of Technology  
*Welcome, Recent developments in mineral processing at LTU*  
Bertil Pålsson, Luleå University of Technology  
*Minerals engineering education at LTU*  
Pär Weihed, Luleå University of Technology  
*Centre of Advanced Mining and Metallurgy* |
| 11.30 – 12.30 | Keynote: Holger Lieberwirth, TU Bergakademie Freiberg, Germany  
*Securing Resources for Growth – Challenges and Opportunities for Comminution in Mineral Processing* |
| 12.30 – 13.30 | Lunch at Bistro Norrland                                                                         |

**Session 1**  
Session chair: Anders Sand

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| 13.30 – 14.00 | Alexandra Lundmark, Boliden Mineral AB, Sweden  
*Depression of Galena with Phosphate - A Substitute for Dichromate?* |
| 14.00 – 14.30 | Viktoria Töyrä, LKAB, Sweden  
*Increasing Silicate Content in the Kiruna Ore - A Challenge for Mineral Processing* |
| 14.30 – 15.00 | Pertti Koukkari, VTT, Finland  
*Multicomponent Solubility Models in Mine Water Management* |
| 15.00 – 15.30 | Pause                                                                                           |

**Session 2**  
Session chair: Holger Lieberwirth

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| 15.30 – 16.00 | Shaun Graham, Carl Zeiss Microscopy Limited, UK  
*A new Dimension to Process Mineralogy with 3D Data* |
| 16.00 – 16.30 | Jason Yang, Geological Survey of Finland, Finland  
*Tungsten Deposits, Mining and Beneficiation Techniques* |
| 16.30 – 17.00 | Chris Broadbent, Wardell Armstrong International Ltd, UK  
*Particle-based Process Models in Mineral Processing* |
| 19.00 – 19.30 | Dinner at Kulturens Hus                                                                            |

**Wednesday, February 8, 2017**

**Session 3**  
Session chair: Bertil Pålsson

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| 09.00 – 09.30 | Perri Lamberg, Keliber Oy, Finland  
*Designing of Keliber’s Spodumene Beneficiation Process as a Part of Effective Lithium Carbonate Production* |
| 09.30 – 10.00 | Hesham Ahmed, Luleå University of Technology, Sweden  
*Characterization of Blast Furnace Sludge and Upgrading using Physical Separation and Leaching* |
| 10.00 – 10.30 | Petteri Kangas, VTT, Finland  
*Hydrometallurgical Processing of Javitis to Value-Added Products* |
| 10.30 – 11.00 | Pause                                                                                           |

**Session 4**  
Session chair: Chris Broadbent

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| 11.00 – 11.30 | Per Svedensten, Sandvik Mining, Sweden  
*Investigation of Inter Particle Breakage in a Cone Crusher* |
| 11.30 – 12.00 | Anna Eriksson, LKAB, Sweden  
*Commissioning of a New Grinding Circuit for Increased Capacity in LKAB’s Malmberget Beneficiation plant* |
| 12.00 – 12.30 | Brian Knorr, Metso, Sweden  
*Innovations in Comminution Circuit Classification* |
| 12.30 – 13.30 | Lunch at Bistro Norrland                                                                         |

**Session 5**  
Session chair: Jan Rosenkranz

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| 13.30 – 14.00 | Ali Davoodi, Chalmers University of Technology, Sweden  
*Analysis of screening performance using Discrete Element Modeling* |
| 14.00 – 14.30 | Pierre-Henri Koch, Luleå University of Technology, Sweden  
*Texture-based Liberation Models for Comminution* |
| 14.30 – 15.00 | Chris Broadbent, Wardell Armstrong International Ltd, UK  
*Can the Metallurgist Utilise Nanotechnology?* |
| 15.00 – 15.10 | Conference closing                                                                              |

15:20 (15:40) LLT-buss till Luleå Airport (Linje 4)/LLT-bus to Luleå Airport (Nr 4)  
Avgår var 20:e minut / Departure every 20” minute