




DAY 1 WELCOME SESSION – MAIN AUDITORIUM

Time	Speaker	Title	
13:50 – 14:00	Dr. Andreas Klossek EIT RawMaterials Interim CEO, COO, Managing Director	EIT RawMaterials' Welcome note	
14:00 – 14:10	Prof. Dr. Peter Moser Montan University of Leoben Head of the Chair of Mining Engineering and Mineral Economics, Vice Rector für Infrastructure and International Relations	Welcome from the hosting institution, Montanuniversität Leoben	
14:10 – 14:20	Dr. Patrick Nadoll EIT RawMaterials Senior Advisor	Lighthouse Sustainable Discovery and Supply	

DAY 1 BLOCK I: SETTING THE CURRENT SCENE – MAIN AUDITORIUM

Time	14:30 – 14:45	14:45 – 15:00	15:00 – 15:15	15:15 – 15:30	15:30 – 15:45	15:45 – 16:00
Speaker	Joseph Pellegrino Eramet Lead Data Scientist	Markus Häupl ABAUT	Thorkild Maak Rasmussen Luleå University of Technology Professor and Head of Subject	Tomáš Hrstka Czech Academy of Science	Philipp Hartlieb Montanuniversität Leoben	Valentina Dietrich Montanuniversität Leoben
Title	Overview of Eramet AI	AI – image recognition, pattern analysis, machine learning	Optimum use of AI and ML for mineral exploration in a digitalised society – opportunities and challenges	Digital Solutions and machine learning platforms for applied mineralogy and petrology	Improving performance by measurements and digital analysis of mining processes	CERA Blockchain Solution
						

DAY 1 BLOCK II: DIGITAL CHALLENGES & SUCCESS STORIES IN SPECIFIC APPLICATION AREAS – MAIN AUDITORIUM

Time	17:00 – 17:15	17:15 – 17:30	17:30 – 17:45	17:45 – 18:00	18:00 – 18:45
Speaker	Richard Gloaguen Helmholtz Zentrum Dresden-Rossendorf Head of Exploration	Vesa Nykänen GTK	Uwe Restner Sandvik	Sergii Anufriiev KGHM Cuprum Data Analyst	Paul O’Leary Montanuniversität Leoben
Title	Digitalization in exploration: from imaging sensor integration to data fusion using machine learning	Digital exploration: Machine learning and public geodata for mineral prospectivity mapping in Finland	Digitalization in mine tunnel development	Advanced data analytics for mining and mineral processing applications	Digital twins for monitoring and evaluation of ground quality, processes and machines
					

DAY 2 PARALLEL SESSION II: THESIS AWARDS & DIGITAL NATIVES – MAIN AUDITORIUM

Time	08:50 – 09:00	09:00 – 09:10	09:10 – 09:20	09:20 – 09:30	09:30 – 09:40	09:40 – 09:50
Speaker	Fabio Ferri EIT RawMaterials Education Project Manager	Juan Sebastian Guiral Vega Luleå University of Technology Student	Jakub Jastrzębski Aalto University Student	Marius Kern TU Bergakademie Freiberg Student	Pierre-Henri Koch Luleå University of Technology Student	Luca Piovano CeDInt – UPM Researcher
Title	Introduction	Award Winner Master Category: Textural and Mineralogical Characterization of Li-pegmatite Deposit: Using Microanalytical and Image Analysis to Link Micro and Macro Properties of Spodumene in Drill Cores	Award Winner Master Category: Virtual Underground Training Environment	Award Winner PhD Category: The Hämmerlein skarn-greisen deposit in the Erzgebirge (Germany) - Analysis, geometallurgy and pre-concentration of a compositionally complex and fine-grained ore deposit	Award Winner PhD Category: Computational Methods and Strategies for Geometallurgy	Extended Reality and Data Visualization experiences in mining and other activities
						

DAY 2 BLOCK III; DISRUPTIVE START-UPS IN THE RAW MATERIALS SECTOR – MAIN AUDITORIUM

Time	10:45 – 10:55	10:55 – 11:05	11:05 – 11:15	11:15 – 11:25	11:25 – 11:35	11:35 – 11:45	11:45 – 11:55
Speaker	Mathias Cherbuin CyanoGuard AG CTO	Andrea Bartoli Worldsensing	Wolfgang Walcher Robotic Eyes	Marc Banzac Mecorad GmbH Managing Director	Giorgos Papapanagiotakis Emphasis DigiWorld CEO	Fran Espada Hovering Solutions Co-Founder	Arpitsingh Parmar Metheore
Title	Gold Mining 4.0	Worldsensing Journey - From Idea to Success	Making Human Labor Easier, more Productive and Safer with Robotic Eyes	High precision measurement & optimization under harshest conditions	Digitization Solutions: Ventilation-on-Demand	Flying Robotics for Underground 3D Mapping	Metheore: Measure to Manage
							

DAY 2 BLOCK IV: FUTURE DEVELOPMENTS & RESPONSIBILITIES – MAIN AUDITORIUM

Time	13:30 – 13:45	13:45 – 14:00	14:00 – 14:15	14:15 – 14:30	14:30 – 14:45	14:45 – 15:00	15:00 – 15:15
Speaker	Debby DeRoover DG GROW European Commission Policy Officer, Resource Efficiency and Raw Materials,	Špela Kumelj GeoZS	Michael Haschke DMT	Andrea Bartoli Worldsensing	Mirko Liebetrau Talpasolutions	Tobias Kampmann Luleå University of Technology	Yury Zhukovskij St.Petersburg Mining University
Title	Digitalisation in the raw materials sector – A European Commission perspective	Mineral Intelligence for Europe? - Where we are, where we are going, connection to EIT RM	Industry Needs & Priorities for Digitalisation in the Raw Materials Sector	Operational Intelligence - A mandatory step for Sustainability	If data is eating the world, who is eating the data?	Upscaling mineral exploration through field augmented reality: The FARMIN project	Digital competences as the basis for sustainable development of the raw materials sector
				