

WEDNESDAY, 11 June 2014			
Time	Lecture Hall FO1	Lecture Hall FO2	Lecture Hall FO3
09:00	Plenary Session - I HPM	no presentations	no presentations
	Welcome & Introduction Martens (RWTH Aachen University, Germany)		
	Zell (Becker Mining Systems AG, Germany): German Mining Technology for the World Market		
	Zilligen (RAG AG, Germany): Planung der Strebbetriebe Flöz Zollverein 1/2 auf dem BW Prosper-Haniel		
	Paschedag (Caterpillar Global Mining, Germany): Latest Developments in Longwall Mining Technology		
10:30			
Break	Break	Break	Break
11:00	Underground Coal Mining Chairman: Witthaus	Shaft Sinking Chairman: Van Heyden	Rock Bolting Chairman: Krings
	Lange (Eickhoff Bergbautechnik GmbH, Germany): Application of Shearer Automation	Bock (Marian Turek Główny Instytut Górnictwa, Poland): Case Study of Lining Damages in Shaft "I" and "II" in the "Murcki" Colliery	Yarali (Bülent Ecevit University, Turkey): Evaluation of the Relationship among Drilling Rate Index (DRI), Mechanical Properties, Cerchar Abrasivity Index and Specific Energy for Rocks
	Mundry (Caterpillar Global Mining, Germany): Detect Personnel for Longwall - Adding a New Safety Feature	Frey / Neye (Herrenknecht AG, Germany): Future Trends in Shaft Development	Ma (University of Wollongong, Australia): Evaluations on Load Transfer Along the Length of Fully Encapsulated Rock Bolts, Based on the Installation Mixing Parameters
	Hoseinie (Luleå University of Technology, Sweden): Assessment of Reliability-Related Measures for Drum Shearer Machine, a Case Study	Fritschen (DMT GmbH & Co. KG, Germany): A new Approach for Shaft Monitoring by Kinematic Laser Scanning	Manekar (Nagpur University, India): Modern Concept of Safety of Men and Machines by Electronic Media in Mining Operations
	Knetsch (RAG AG, Germany): Kältetechnik in der RAG Deutsche Steinkohle	Kratz (RWTH Aachen University, Germany): Optimization of Mucking Operation in Conventional Shaft Sinking	Masny (Marian Turek Główny Instytut Górnictwa, Poland): Where we are going – Rockbolting in Poland
12:30			
Lunch	Lunch	Lunch	Lunch
13:30	Automation, Infrastructure & Logistics Chairman: Paschedag	Operational Experiences Chairman: Jakobs	Sustainability Issues in Mining Chairman: Katz
	Bitzen (XGraphic Ingenieurgesellschaft mbh, Germany): Becker MineView - A Modern Scalable SCADA System	Soyer (HEMA Enerji, Turkey):Stability and Performance Evaluation of Main Roadway Drivage at Amasra Mine	Shtiza (IMA Europe, Belgium): Is High Performance Mining Sufficient to meet Sustainability along the Value Chain? Case Study of STOICISM, the Holistic Approach
	Kipp (RAG Mining Solutions GmbH, Germany): Sustainable Control Room Technology for International Mining Companies Boosts Efficiency and Provides a Decision Making Tool for Management and Workforce	Nitsche / Winkel (IBS GmbH, Germany / Indurad GmbH, Germany): First Practical Experiences with a Teleremote Operator Assistance System for Roadheaders in Coal Mining, Mexico	Santillan Gonzalez (MIMOSA, Mexico):Utilize Coal Mine Methane to Reduce GHG Emissions and Generate Electricity - MIMOSA's Approach to Address Sustainability Issues in Mining
	Oliveira (Eneida Wireless&Sensors, Portugal): Underground Mine Traffic Management and Optimization: An Intelligent Application Based on a Real-Time Localization System	Bertignoll (Sandvik Mining, Underground Coal & Minerals, Austria): Increasing Safety and Productivity in Roadway Development – the MR341 Roadheader	Shimada (Kyushu University, Japan): Challenges in Acidic Water Control by Considering Effects of the Waste Rock Condition
	Krach (marco Systemanalyse und Entwicklung GmbH, Germany): Integrated Face Control – Centerpiece of the Digital Coal Mine	Sasaoka (Kyushu University, Japan): Punch Multi-Slice Mining System for Thick Coal Seam under Weak Geological Conditions	Amiri (IMPASCO, Iran): Solutions for a Sustainable Water Consumption Reduction in Sangan Iron Ore Mines in Iran
	Hardebusch (TU Clausthal, Germany): Mining-Calculator: Selection and Dimensioning as well as Economic and Ecological Analysis for Bulk Material Handling Systems in Surface Mining and Civil Engineering	Witthaus (RAG Mining Solutions GmbH, Germany): Innovative Products for Mine Planning and Operation by RAG Mining Solutions GmbH	Kretschmann (TFH "Georg Agricola" Bochum, Germany): The Roadmap to the Improvement of Risk Management for the Sustainability of the Vietnamese Mining Industry
15:30			
Break	Break	Break	Break
16:00	Deep Mining Chairman: Myszkowski	Process Optimization Chairman: Seeliger	Technologies for Mine Process Optimization (Opti-Mine) Chairman: Palarski
	Thomas (Golder Associates Pty Ltd, Australia): Recent Developments in the Understanding of Longwall Geomechanics in Deep Weak Roof Types and Shallow Strong Roof Types	Strecker (Engineering Dobersek GmbH, Germany): Innovative Backfilling Plants	Müller (MineTronics GmbH, Germany): Architecture and Application of Modern Mining Networks for Process Optimization and Increased Underground Safety
	Stangl (Thyssen Schachtbau GmbH, Germany): Driving a Deep-Level Roadway in Difficult Geological Conditions at a Kazakh Ore Mine	Grotjohann (Haver Niagara GmbH, Germany): t.b.d.	Kozminski (IREDES Initiative, Germany): Efficient Implementation of Process Optimization Using Standardized Information Exchange
	Baltz (DMT GmbH & Co. KG, Germany): Rockburst Prevention in the Hardcoal Industry	Zou (Kennametal Inc., United States): Advantages of Tri-Braze and Dura-Plus steels for High Abrasion and Impact Applications in Mining Industry	Hübner (MineTronics GmbH, Germany): Automation, IT and Logistics: Applications for the Optimized Mine
	Schmidt (RAG AG, Germany): Planung einer Strebstartstrecke mit Sonderquerschnitt in großer Teufe	Ward (Saint-Petersburg Electro Technical Company, Russia): Alrosa	Bendrat (Georg Agricola University of Applied Sciences, Germany): Key Performance Indicators - A Tool to Assess ICT-Applications in Underground Coal Mines
17:30			

THURSDAY, 12 June 2014			
Time	Lecture Hall FO1	Lecture Hall FO2	Lecture Hall FO3
09:00	Plenary Session - II HPM / i²Mine	no presentations	no presentations
	Rachovides (European Association of Mining Industries, Metal Ores & Industrial Minerals, Belgium): The Mining Industry of the Future		
	Tano (LKAB, Sweden): I²Mine – A Stepping Stone to Safer and Deeper Mining		
	Grohol (European Commission, DG Enterprise and Industry, Belgium): European Innovation Partnership on Raw Materials and Horizon 2020		
10:30			
Break	Break	Break	Break
11:00	Machine Technology & Equipment Chairman: Charlier	Research Projects Chairman: Brune	i²Mine - Special Focus Area Chairman: Tano
			Welcome & Introduction Hejny (i²Mine Project Manager, MIRO, United Kingdom)
	Löf (Raw Materials Group, Sweden): Market Analysis: Hard-Rock Underground-Mining Mobile Equipment	Johansson (Luleå University of Technology, Sweden): Future Metal Mining – A Research Overview	Falck (UVSQ, France): Stakeholder Engagement to Achieve Social-Licensing for Novel Technologies in Mine-Site Development – Applying Lessons-Learnt from EO-MINERS to i²Mine
	Jakobs (Sandvik Mining and Construction Central Europe GmbH, Germany): LH621 - The Strongest Hard Rock LHD in the World Enters Salt and Potash Applications	Lagrou (VITO, Belgium):EXTRACT-IT Project: Defining FET Research Topics Supporting the ICT Challenges of Mineral Extraction under Extreme Geo-Environmental Conditions	Nordqvist (LKAB, Sweden): Large Scale Field Test of Gravity Flow at the Kiruna Mine
	Myszkowski (Caterpillar Global Mining, Germany): Application of Current Source Inverter Medium Voltage Variable Frequency Drives in Longwall Mining	Pateiro (Brenk Systemplanung, Germany): Effective Mine Dust Control and Waste Rock Dump Rehabilitation for Active and Planned Mining Operations: a Case Study in Vietnam	Büschgens (IMR, RWTH Aachen, Germany): Examination of Boundary Layers in the Cutting Process by Using Acoustic Emission
	Maas (Deilmann-Haniel Mining Systems GmbH, Germany): Equipment for Underground Mining: Projects and New Developments at Deilmann-Haniel Mining Systems GmbH	Peter (GIZ GmbH, Germany): German-Mongolian Cooperation in the Mineral Resource Sector – a Strategic Partnership of Equal Opportunities	Geldmacher (DMT GmbH & Co. KG, Germany):Numerical Modelling and Empirical Tool for Subsidence Prediction by the Use of Backfill
	Katz (GHH Fahrzeuge GmbH, Germany): Application of the GHH Fahrzeuge Efficient Drive System (EDS) in Underground Mining LHDs – An Analysis	Yavuz (Eskisehir Osmangazi University, Turkey): Determination of Fully Mechanized Underground Coal Panels' Optimum Dimensions for Retreat Caving Method	Freund (DMT GmbH & Co. KG, Germany): Applicability of Geophysical and Non-Destructive Investigation Methods in Modern Industrial Deep Mining Environment
Lunch	Lunch	Lunch	Lunch
14:00	Health & Safety in Mining Chairman: Johansson		i²Mine - Special Focus Area Chairman: Tano
	Brune / Gilmore (Colorado School of Mines, United States): Accumulations of Explosive Gases in Longwall Gobs and Mitigation Through Nitrogen Injection and Face Ventilation Method		Maier (Fraunhofer IPA, Germany): Adopting Lean and Characteristic Line Based Industrial Methods for Optimizing Room and Pillar Processes
	Mendham (University of Queensland, Australia): Improving Fire Life Safety and Asset Loss Control in Mining: Development of a Video Based Fire Detection System		Chmelina (Geodata ZT GmbH, Austria): Real-time Machine Guidance with Tracking Cameras Development of a New Underground Survey Technology in the Research Project i²Mine
	Mantwill (RAG Mining Solutions GmbH, Germany): Management, Technical Staff and Government Officials of the Chinese Mining Industry are to Adopt the German (..)		Pauli (Caterpillar Global Mining, Germany): Material Estimation for Autonomous Deep Mining Machines: Evaluation of JDL Level 2 Situation Assessment
	Hermülheim (Clausthal Technical University, Germany): Zen and the Art of Mine Rescue		Pytel (KGHM CUPRUM, Poland): Rock Mechanics and Ground Control in Deep Mines – i2Mine project
	Short Summary Martens (RWTH Aachen University, Germany)		Summary and Outlook Hejny (i²Mine Project Manager, MIRO, United Kingdom)
15:30			