

## **Society of Mining Professors**

### **19<sup>th</sup> Annual General Meeting Aachen 2008**

#### **Industry Session**

18 May 2008

#### **Content:**

**Session outline**

**Introduction**

**Speakers**

## Session outline

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Chris Cross	Introduction	(5 mins)
Chris Willows	Mine optimisation	(20 mins)
Matthias Moritz	Pre-Concentration with Sensor Based Sorters	(20 mins)
Peter Kogler	A new way for safe and fast connections between	(20 mins)
Robert Davies	Journey to Zero Injuries	(20 mins)

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## Questions & Answers

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## Introduction to Industry Session

The theme of this session is 'state of the art'

Leading companies are currently engaged in developing integrated big projects using the latest analytical techniques and technology to minimize costs, reduce demands on labour, maximize profits and achieve sustainability and safety targets. This short session attempts to illustrate the theme.

### ■ Trends

- ▶ Demand continues
- ▶ Graduate supply is tight
- ▶ Merger mania may running out of steam?
- ▶ Mines, the next generation is planned to use latest technology – the appliance of science
- ▶ Collaborative research enters a new chapter – ETP SMR, AMIRA and MIRO. Government support? Industry support?

## Introduction continued

- Safety is paramount
- Sustainable development is imperative
- Commitment is to leading edge technology
  - ▶ Numerical modelling grows in strength
  - ▶ Automation – application is about to accelerate
  - ▶ Emphasis on rapid underground development
  - ▶ Block caving abounds
  - ▶ Comminution, sorting and conveying – in pit?
- This still leaves a challenging research agenda directed to e.g. step change comminution and dry separation

## **Chris Willows**

Chief Adviser Strategic Planning, Rio Tinto, London, UK

### **Mine optimisation**

## **Matthias Moritz**

Sales Director Commodas Mining, Hamburg/Wedel, Germany.

### **Pre-concentration with sensor-based sorters**

## **Peter Kogler**

Special Projects, Sandvik Mining & Construction, Austria

### **A new way for safe and fast connections between levels**

## **Robert Davies**

Chief Adviser Safety, Rio Tinto, Melbourne, Australia

### **Journey to zero injuries**