



MIRMGate News

Issue 1-2009

WHAT'S
NEW

New Human Factors resource materials now online at MIRMGate

MIRMGate lifts the lid on hidden resources.....

Reports of mining related Human Factors Engineering (HFE) projects published in the '70s in hard copy format have been brought to life via MIRMGate as freely available, downloadable electronic documents. Work published in these reports, undertaken by Steve Mason for the European Coal Steel Community (ECSC) Program and by Geoff Simpson for the British Coal Corporation (BCC) about equipment design, is still relevant today. *Search MIRMGate for these titles.....*

- Ergonomic Design Handbook for Shearers (BCC) (*coming soon*)
- Guidelines on the ergonomics of U/G illumination in Coal Mines (ECSC)
- Improving the Ergonomics of Locomotive Design by Retrofit (BCC)
- Study of the introduction of computerisation and automation of drilling and heading machines in small workings (ECSC Ergonomics Information Service) (*coming soon*)
- Practical Guidelines for the Reduction of Human Error (BCC) (*coming soon*)
- Reducing Major Incident/Accident Risk (BCC)

MIRMGate system review & overhaul

Following a comprehensive system review of MIRMGate, undertaken in 2008, MIRMGate will undergo a facelift in 2009. The system will be powered by updated, sophisticated software and will feature a new, enhanced user interface. The new MIRMGate design will retain the existing EMESRT and TYREgate web portals, seamlessly integrating MIRMGate and its portals and accommodating the development of future web portals. Prototype testing will occur during Q2-09, with the completed system upgrade to be released in Q3-09.

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The MIRMGate Alert Service has resumed for 2009

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EMESRT Update

EMESRT on the global stage.....

2009 looks set to be a busy year for EMESRT member company representatives who are spreading the word, globally, about the EMESRT initiative. In March this year, EMESRT was represented at the Western Australia Chamber of Mines & Energy OS&H Conference (Perth, Australia) by Mr Ian Suckling, Newmont Director of Mine Underground Engineering. Ian's presentation, entitled "**EMESRT Design Philosophies: Towards Safer Mining Equipment**", provided an historical overview of EMESRT engagement with manufacturers of surface mining equipment. Ian introduced the EMESRT design philosophy approach to safer equipment design and invited his audience to access the freely available online resource materials via the MIRMGate EMESRT web portal (www.mirmgate.com/emesrt.asp). He also outlined the current structure and focus of EMESRT since the recent expansion of the work program to include underground and exploration equipment.

Meet your local EMESRT representative:

Toronto, Ontario, Canada: 10-13 May 2009
Townsville, Australia: August 2009

The 2008 EMESRT CD was developed & produced by MISHC

Download from the MISHC site at:
www.mishc.uq.edu.au/index.html?page=58384



2009 EMESRT Technical Work Groups

- Surface
- Underground Coal and Soft Rock
- Underground Hard Rock
- Exploration/Drilling

2009 EMESRT Activities.....

In 2009, three new EMESRT Technical Groups, under the guidance of the EMESRT Advisory Group, will undertake the steps required to engage with relevant OEMs and to develop resource materials that will assist with the engagement process. Anglo American, Barrick, BHP Billiton, Newcrest, Newmont, Vale and Xstrata are financial members of EMESRT for 2009.

The EMESRT Surface Group, with support from MISHC, will review the existing 15 DPs for surface mining equipment to ensure their currency and value for safe equipment design, while the other groups will focus on developing and/or customising DPs relevant to their types of mining equipment. Member companies involved in the Underground Hard Rock Group will provide company data to help identify key issues for further DP development.

Contact EMESRT: emesrt@mishc.uq.edu.au

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