

First Announcement and Call for Papers

# 1<sup>ST</sup> INTERNATIONAL FUTURE MINING CONFERENCE & EXHIBITION

19 – 21 November 2008

The University of New South Wales  
Sydney, Australia

## VENUE

The Conference will be held at the John Niland Scientia Building, The University of New South Wales, Kensington Campus, Sydney, NSW, Australia.



## IMPORTANT DATES

Submission of abstract	31 Jan 2008
Abstract acceptance notified	29 Feb 2008
Paper submission	31 May 2008
Final acceptance	31 July 2008

## EXECUTIVE COMMITTEE

**Chair:** Dr Serkan Saydam

**Co-Chair:** Prof Bruce Hebblewhite

**General Secretary:** Dr Rudrajit Mitra

## EXHIBITION

An exhibition will be held in the Conference venue. Interested organisations and companies are advised to book early. For more information please contact through the conference e-mail address. Information will also be available on the conference website.

## ACCOMMODATION

A list of accommodation options available near the conference venue will be listed in the website. Accommodation bookings will be the responsibility of individual delegates.

## REGISTRATION

Registration fees for attending the 1<sup>st</sup> International Future Mining Conference and Exhibition will be listed on the conference website.

## SPONSORSHIP

A number of levels of sponsorship are available for the Conference. Companies interested in taking up any of these options should contact the organisers through the conference e-mail. Information will also be available on the conference website.

## For further details contact:

**T.** +61 (0) 2 9385 5161 | **F.** +61 (0) 2 9313 7269

**E.** [conferences.mining@unsw.edu.au](mailto:conferences.mining@unsw.edu.au)

**www.futuremining.org**

**Design** UNSW Publishing and Printing Services **Printing** FAAST Print  
**Images** Tourism NSW | UNSW School of Mining Engineering

CRICOS Provider Code 00098G



# FUTURE MINING



## FUTURE MINING

**Scope:** The Conference aims to present and discuss future technological needs of the mining industry; current and prospective innovations in the mining industry and implementation of new scientific and technological developments from other disciplines into the mining industry. It will provide a forum for communication among mine operators, senior managers, technical managers, scientists, engineers, equipment manufacturers, government representatives and other stakeholders. The conference also aims to identify possible scenarios of "Mining in the Future" and provide a picture of the global mining industry in 2025 and beyond.



### CONFERENCE THEMES

- Future Mining scenarios – Blue Sky Perspectives.
- Needs and issues in 2025 and beyond
  - o Managing the impacts of global warming on mining – water management, recycling, etc.,
  - o Commodity markets – what will we be mining in 2025?
  - o Long term and short term plans/policies from governments, institutions, universities, etc. on mining activities
  - o Community issues, needs and constraints,
  - o Health and safety standards in the future,
  - o Staffing mines in the future - skill requirements, training, attraction, retention.
- Challenges and opportunities
  - o Mining in extreme environments – deep sea mining; mining at great depths; hostile conditions,
  - o Sustainable development,
  - o Extraterrestrial mining,
  - o Trends in mine rehabilitation, waste management and reclamation techniques,
  - o New energy sources in mining.
- Innovations in mining industry
  - o Potential applications for Virtual Reality in mining,
  - o New mining methods,
  - o Future developments in mine planning and design,
  - o Future gains in productivity - bigger or smarter equipment,
  - o "The Rock Factory" – Fully automated mine,



- o Novel rock support techniques,
  - o Novel rock excavation techniques,
  - o Applications of computer science & technology – GIS, AI, wireless technology, software, laser scanning,
  - o Innovative mine management approaches,
  - o Robotics in mining.
- Implementation and future research direction

### CALL FOR PAPERS AND ABSTRACT SUBMISSION

Intending authors are requested to submit their abstracts before Thursday, 31st January, 2008 to [conferences.mining@unsw.edu.au](mailto:conferences.mining@unsw.edu.au).

Abstracts are to be submitted as a Word document and should be limited to a maximum of 300 words. It should include scope of the work and summary of results. All abstracts and submitted papers will be independently peer reviewed. The abstract should include the title, authors' affiliations, the contact author's address, telephone, fax and email address.