

## Technical themes

The following key technical themes have been identified for the conference:

- Environmental best practice guidelines
- Mine closure
- Mine water treatment - active and passive
- Management of brines and sludges
- Integrated water resources management
- Geochemistry and impact prediction
- Management and rehabilitation of mine residues
- Water management issues in open pit mining
- Water management issues in underground mining
- Management of radioactivity in mine water
- Energy efficiency in mine water management

## Call for Abstracts

You are invited to submit a 200 – 500 word abstract for a written paper or poster, on one or more of the Technical Themes identified for the conference. Closing date for abstracts is **16 March 2009**. Abstracts are to be submitted electronically.

## Exhibition

Exhibition space is being made available at the conference venue and prospective exhibitors are requested to contact the conference secretariat for additional details.

## Sponsors

The conference organisers welcome sponsors. Interested parties are requested to contact the conference secretariat with regards to sponsorship opportunities.

## Accommodation & Transport

The conference organisers will assist with airport transfers. Arrangements for accommodation at key hotels and transport to and from the conference venue, will be provided. Further details will be published in the Second Announcement.

## Website

All conference related information will be available on the Conference website at [www.wisa.org.za/minewater2009.htm](http://www.wisa.org.za/minewater2009.htm)

For telephonic enquires,  
please contact Dot Zandberg at  
**+27 11 805 3537**

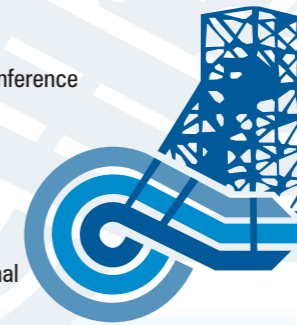
All electronic communications and  
abstract submissions are to be  
directed to the Conference Secretariat  
at [minewater2009@wisa.org.za](mailto:minewater2009@wisa.org.za)



# International Mine Water Conference

## 2<sup>nd</sup> Announcement & Call for Abstracts

International Mine Water Conference  
Hosted and organised by  
Water Institute of  
Southern Africa's  
Mine Water Division  
together with the International  
Mine Water Association



**19 - 23 October 2009**

**Pretoria, South Africa**



# International Mine Water Conference

# 2009

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## Welcome Note

South Africa, together with the rest of Africa, represents a critical resource for a wide range of minerals to drive the world economy. South Africa has a long history of mining and has limited natural water resources, leading to a situation where it also has a number of significant mine water related challenges. With over 10 000 km<sup>2</sup> of hydraulically interlinked coal mines and over 300 km of interlinked gold mines, mine water challenges are not only at local mine level but at regional level too.



South African water legislation is a leader in the world and was recognised as such through the awarding of the prestigious Stockholm Water Prize to a previous Minister of Water Affairs – Prof. Kader Asmal - for developing “the world’s most comprehensive and visionary piece of water legislation”. This legislation and the scarce water resource, coupled with the legacies of mining and the need to manage ongoing mining activities, has resulted in South Africa occupying the forefront in many aspects of mine water management, particularly with regard to managing mine water quality.

The 2009 International Mine Water Conference, hosted jointly by the Water Institute of Southern Africa’s Mine Water Division and the International Mine Water Association will enable persons throughout the world who have an interest in mine water management to learn firsthand how these 21st century challenges are being tackled. Not only will there be an outstanding technical programme covering unique local and international developments in the field of mine water management, there will also be enlightening pre-conference technical workshops and exciting post-conference technical tours to visit novel mine water management facilities at major operational mining sites.

As South Africa is also an outstanding tourist destination and the Conference has been specifically timed to take advantage of the beauty of springtime, a range of post-conference tours to key South African attractions will also be arranged.

*I look forward to meeting you in South Africa in October 2009.*

*William Pulles, Chairman: Conference Organising Committee*

## Key South African mine water management developments

There are a number of major recent developments in South Africa in the mine water management field and the following topics will be showcased at the conference:



- Best Practice Guidelines (BPGs) for Mine Water Management – Department of Water Affairs & Forestry has issued a series of 15 BPGs covering all aspects of mine water management.

- Regional mine closure strategies and regional water treatment

strategies – large integrated projects have been undertaken and implemented in South Africa to recognise and address the regional-scale issues of mine water – in terms of planning for closure and in treating contaminated mine water.

- Passive water treatment - South Africa continues to lead the field in terms of passive sulphate reduction technologies and passive bionutralisation.

- Brine and sludge treatment – a number of research projects and implementation projects have been undertaken to develop innovative ways of dealing with brines and sludges from mine water treatment plants.

- Legislation – integrated legislation covering source and receiving resource control measures and financial incentives for mine water treatment are well-developed and implemented in South Africa.



## Student Award

In recognition of the importance of continuing to attract young scientists and engineers into the field of mine water management, the WISA Mine Water Division will be awarding a cash prize of R15 000 to the best technical paper written and presented by a bona fide student. Students from around the world are invited to participate.



## Preliminary Programme

**Day 1:** Choice of 3-4 training workshops on specialist topics such as:

- INAP Global Acid Rock Drainage (GARD) Guide
- Decision support system for metalliferous tailings disposal systems
- Innovative solutions for handling of brines and sludges from water treatment plants

**Day 2:** Conference with parallel technical sessions

**Day 3:** Conference with parallel technical sessions with Conference dinner and presentation of student award

**Day 4:** Conference with parallel technical sessions

**Day 5:** Technical tours – a number of options are being planned, including visits to the platinum and coal mining sectors and visits to world-leading mine water treatment and reclamation facilities, covering both active and passive, biological and membrane technologies and disposal systems for water treatment brines and sludges.

# International Mine Water Conference