

*SOUTH AFRICAN NATIONAL COMMITTEE ON LARGE DAMS CONFERENCE*  
*5 - 7 November 2013*

**ADVANCES IN DAM TECHNOLOGY FOR WATER AND  
ENERGY IN SOUTHERN AFRICA**



SANCOLD

***About the Conference***



The South African National Committee on Large Dams (SANCOLD) Conference will be held at the Black Mountain Hotel in Thaba 'Nchu, Maria Moroka Nature Reserve between Tuesday 5 and Thursday 7 November 2013.

SANCOLD invites all from Africa and the wider family of ICOLD to participate in the conference which will include technical presentations, a technical visit and an exhibition.

This is an ECSA Continuing Professional Development (CPD) accredited event. This Conference is a Category 1 activity and offers 3.0 credits.

# Conference Topics

Abstracts and papers are invited under the following topics:

- Technical advances in the design and construction of new dams
- Technical Approaches for Managing an Ageing Infrastructure
- Advances in Dam Safety and Risk Management
- Strategies for Extending the Service Life of Dams and Reservoirs
- Innovative Surveillance and Monitoring Systems of dams and reservoirs
- Hydrology, Hydraulics and flood discharge works
- Climate change and implications for water infrastructure
- Planning of new schemes: storage, hydropower and multipurpose dams
- Hydropower machinery: recent and future developments in equipment
- Small hydro development
- Tailings Dams development and closure
- Environment and social aspects
- Multipurpose water storage projects
- Operation, maintenance and refurbishment of dams





# Programme

## Overview

The conference will commence on Tuesday morning 5 November. On Tuesday there will be presentations by keynote presenters and of technical papers. There will be a special programme for the young engineers during the first two days of the conference. The conference dinner will be held on the Wednesday evening. A technical visit to the Metolong Dam site in Lesotho, has been arranged for Thursday 7 November. Valid passports are required to enter Lesotho. DWA delegates require permission from the minister of Water Affairs and therefore have to register early. Refer to the "important dates" section.

The conference programme is shown below

## Preliminary Programme

<b>Tuesday 5 November 2013</b>	
7:30 to 8:30	Registration;
8:30 to 10:30	Welcome by SANCOLD chairman Keynote speaker 1 Keynote speaker 2
11:00 to 13:00	Technical sessions
13:00 to 14:00	Lunch
14:00 to 16:30	Technical sessions
16:30 to 17:30	Annual General Meeting of SANCOLD (all welcome)

<b>Wednesday 6 November 2013</b>	
08:00 to 13:00	Technical sessions
13:00 to 14:00	Lunch
14:00 to 16:30	Technical sessions
19:00	Conference dinner

<b>Thursday 7 November 2013</b>	
08:00 to 17:00	Technical Tour



## ***Abstract***

The abstract should indicate the paper title, the author(s) and the text should not exceed 100 words. The format of the abstract is shown in a file which could be obtained from [merentia@sun.ac.za](mailto:merentia@sun.ac.za) or downloaded from [www.sancold.co.za](http://www.sancold.co.za)

Please send the abstract by email to Mrs Merentia Meyer:  
[merentia@sun.ac.za](mailto:merentia@sun.ac.za)

### **Important Dates:**

- **Abstract in 17 May 2013: [merentia@sun.ac.za](mailto:merentia@sun.ac.za)**
- Abstract approval 24 May 2013
- Draft paper in for review 1 July 2013
- **DWA delegates registration deadline in order to get Lesotho site visit permission from the minister in time 1 July 2013**
- Draft paper reviewed and approval 30 August 2013
- Final paper submitted on 4 October 2013
- **Closing date for registration and all payments 7 October 2013**

# ***Technical Site Visit: Metolong Dam*** *(valid passport needed)*

The Metolong Dam construction began in early 2011. The project entails the construction of a 73-m high roller compacted concrete dam with a 210-m crest length on the south of Phuthiatsana river, about 35 km from Maseru, and a multi-stage raw water intake and pump station.

The Metolong Scheme is part of the Lesotho government's efforts to secure a long-term reliable water supply in the country.

The water supply programme is divided into five components including: advance infrastructure planning, the construction of the Metolong Dam and raw water pumping station, water treatment works, the construction of a downstream conveyance system, and environmental and social management.

The Metolong programme would provide 75 Ml/d of additional treated water to enable Maseru and the neighbouring towns to meet domestic and industrial requirements in the medium term.

The Metolong Dam and water supply programme forms part of the larger Lesotho Lowlands Water Scheme (LLWS), which was established within Lesotho's Ministry of Natural Resources to address water shortages in Maseru and all lowland districts.

The Metolong programme is implemented by the Metolong Authority and financed by the Lesotho government and other development partners, including the South African government, the World Bank, the European Investment Bank, the Millennium Challenge Corporation and a consortium of Arab donors, comprising the Kuwait Fund for Arab Economic Development, the Opec Fund for International Development, the Arab Bank for Economic Development in Africa and the Saudi Fund for Development.





# Registration

Conference registration is now open.

**In order to register for the conference please complete and return the Registration Form, with payment, by not later than 7 October 2013.**

Please note that:

- Prices for attendance are detailed on the registration form
- Payment is required by cheque or by bank transfer; confirmation of registration will be given after payment has been received in full
- The registration fee does not include accommodation

If you have any queries regarding registration, please do not hesitate to contact:

**Mrs Merentia Meyer**

Tel: +27 21 808 4352

email: [merentia@sun.ac.za](mailto:merentia@sun.ac.za)

**Mrs Marechia Basson**

Tel: +27 79 4909 210

Email: [msb@aspt.co.za](mailto:msb@aspt.co.za)



## ***Exhibition***

### **SANCOLD Conference Exhibition - An opportunity to show the Dam Community what you can do**

The Black Mountain Hotel will be a very popular and attractive venue and the event is expected to attract more than 200 delegates from South Africa, Africa and the rest of the world.

The exhibition will be in the entrance hall of the hotel. Early booking of exhibition space is recommended as the number of spaces could be restricted. The exhibition will be held on 5<sup>th</sup> and 6<sup>th</sup> November 2013.

Approximate size each 2 x 3 m. (Table and two chairs included). Stand allocation will be based on when payment was received. The layout of available stands could be obtained by email. If you wish to discuss the matter further please do not hesitate to contact Merentia Meyer by e-mail at [merentia@sun.ac.za](mailto:merentia@sun.ac.za) or tel +27218084352



## ***Contact us***

[Merentia Meyer \(merentia@sun.ac.za\)](mailto:merentia@sun.ac.za) – Abstracts, papers and technical aspects Tel +27 21 8084352

or [Marechia Basson \(msb@aspt.co.za\)](mailto:msb@aspt.co.za) for any other matters  
Tel +27 794909210







## Venue

SANCOLD Conference will be held at the Black Mountain Hotel in Thaba 'Nchu. It is situated approximately 400 km south-east from Johannesburg and 80 km east of Bloemfontein, in the heart of The Maria Moroka Nature Reserve.

Black Mountain Conference facilities comprise of 9 venues, offering state of the art facilities and range from a 16-seated Boardroom to The Rhino Room which can accommodate 550 delegates in cinema style seating.

Dining facilities include the Moroka Restaurant which offers buffets, a la carte and light meals with room service available 18 hours a day. The Lounge Terrace and Pool Bar also offer light meals and refreshments. Leisure and sporting facilities include a spa, solarium, sauna, 2 glass-backed squash courts, children's entertainment, sundowner cruises, games drives, fishing, water sports, horse riding and much more.

The Black Mountain Hotel offers 118 en-suite rooms, including 2 suites, all elegantly furnished and decorated, in spectacular surroundings, with private gardens or balcony and all the necessary mod-cons. Self catering units are also available.

## Directions

Address:  
Groothoek Dam Road S109  
Thaba 'Nchu District  
South Africa  
[www.blackmountainhotel.co.za](http://www.blackmountainhotel.co.za)  
Tel: +27 51 871 4200

GPS co-ordinates :  
29° 18'17" S  
26° 57'24" E

## REGISTRATION FORM – SANCOLD Conference 2013

Kindly complete this registration form and fax it, together with a letterhead of your company to fax number +27-21 8084351 or mail the form to: The Secretary, Institute for Water and Environmental Engineering, Department of Civil Engineering, University of Stellenbosch, SANCOLD Conference 2013 Course, Private Bag X1, MATIELAND, 7602, SOUTH AFRICA. Or by email to: [merentia@sun.ac.za](mailto:merentia@sun.ac.za)

On receipt of the completed registration form, an invoice will be faxed or emailed to participants. Payment can be made electronically (details will be provided on the invoice) or by cheque, to be made payable to University of Stellenbosch.

**CLOSING DATE FOR REGISTRATION AND PAYMENT: 7 October 2013**

### REGISTRATION FORM

Title	Name	Surname	
Organization		VAT Registration number	
Postal address		Street address	
Tel/Cell		Fax	
Email address			
Dietary requirements			
CONFERENCE AND EXHIBITION FEES			
Indicate days of attendance	3 Days	2 Days	1 Day
Full delegate fee: Includes attendance of the Conference and Exhibition: papers, morning and afternoon refreshments, lunches during the Conference, conference dinner and technical tour	R8500	R6900	R5300
Delegate fee for corporate SANCOLD members	R8250	R6650	R5050
Delegate fee for individual SANCOLD members	R7900	R6300	R4700
Please state member number.....			
Speaker fee for delegates/Second (+third) Exhibitor fee not SANCOLD members	R6600	R5400	R4200
Speaker fee for corporate SANCOLD members	R6350	R5150	R3950
Speaker fee for individual SANCOLD members	R6000	R4800	R3600
Please state member number.....			
Exhibition stand & First Exhibitor fee (One full participant fee is included with exhibition booking)	R15000		
Stand No:.....			
Full time MScEng/MEng or PhD students at SA University fee (Covers attendance sessions, papers, morning and afternoon refreshments, conference dinner, technical tour and lunches)	R3900		
Accompanying person fee for lunches, conference dinner and technical tour (for family members/friends not attending the Conference)	R1500		
Name .....			
<b>TOTAL</b>	<b>R</b>		

Cancellations will be accepted in writing and without penalty, up to 12 working days prior to commencement of the conference. Participants cancelling in writing less than 12 working days prior to commencement of the conference will be liable for a 50% cancellation fee. Following registration without attendance and without written cancellation, delegates will be held responsible for the full conference cost.

**I HAVE READ AND AGREE TO THE CONDITIONS OF REGISTRATION AS STIPULATED ABOVE**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_