



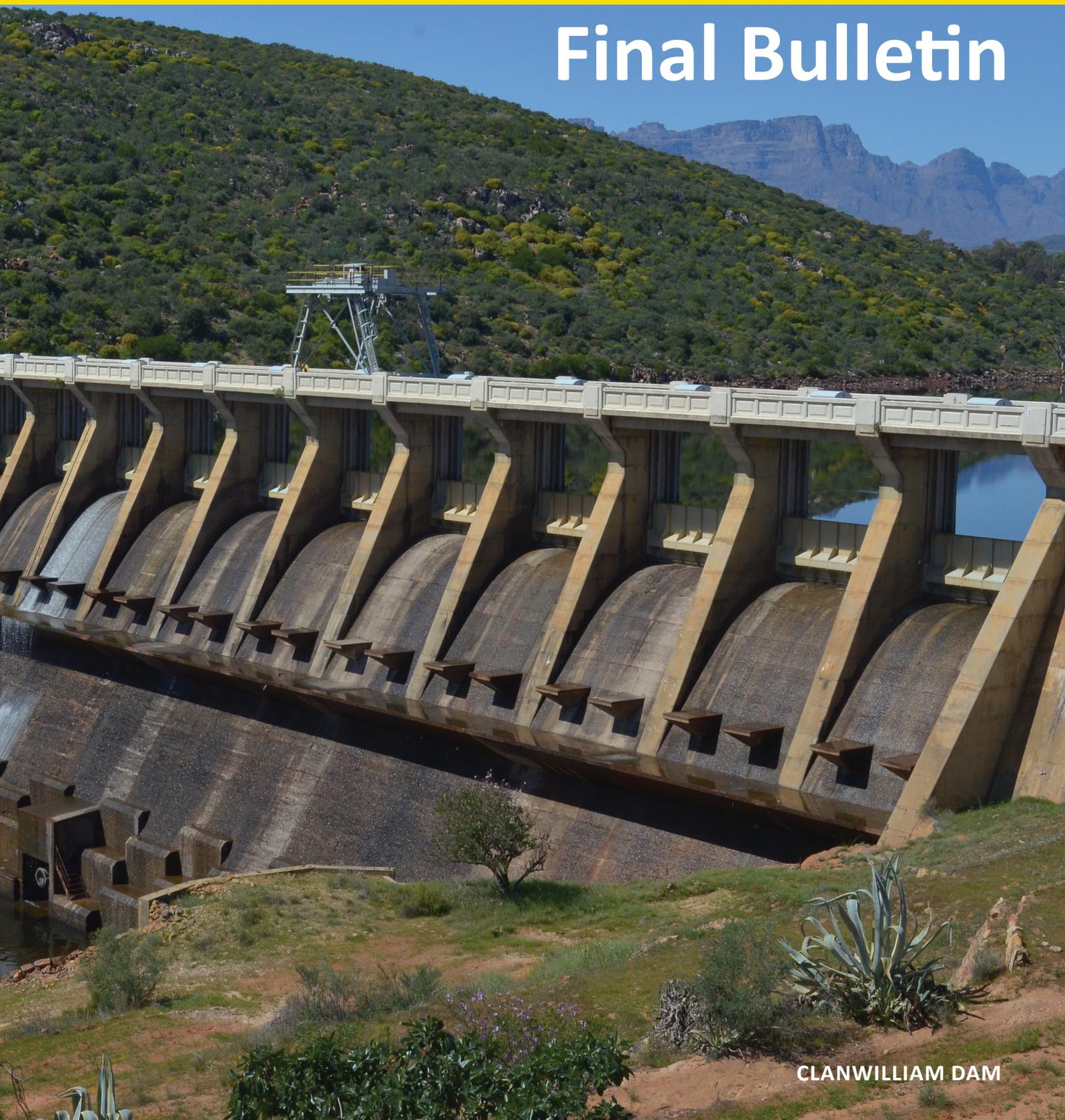
# 84<sup>th</sup> ICOLD ANNUAL MEETING

15 – 20 May 2016, Johannesburg, South Africa

# 84<sup>e</sup> RÉUNION ANNUELLE DE LA CIGB

15 - 20 Mai 2016, Johannesburg, Afrique du Sud

## Final Bulletin



CLANWILLIAM DAM



# Sponsors

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## ICOLD 2016 ORGANISING COMMITTEE

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Vice-Chairperson	Quentin Shaw
Secretary	Paul Roberts
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Technical Tours	Wally Ramokopa
Exhibition and Sponsorships	Quentin Shaw
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### SANCOLD SECRETARY

E-mail: [secretary@sancold.org.za](mailto:secretary@sancold.org.za)

Office Hours: 08:30 - 17:00 (GMT + 2 hours)



It is my pleasure to invite you,



on behalf of the South African National Committee on Large Dams, to the 84th ICOLD Annual Meeting, Symposium, Workshops, as well as interesting pre- and post- study tours. This event will take place in Johannesburg, South Africa, from **15 to 20 May 2016**.

Sunny South Africa is known:

- for its **friendly “rainbow” nation** as demonstrated during the highly successful 2010 Soccer World Cup event;
- for its **beautiful scenery** with the Big Five animals in our National and Private Game Parks, the Drakensberg Mountains with its Lesotho Highlands dams and Cape Town with its world heritage site Table Mountain;
- to have **5 030 registered dams** of which more than **1 114 are large dams**;
- for **contributing significantly** since 1965 to ICOLD and Africa regarding development of the art and science **of dam engineering**.

Our SANCOLD Organising Committee is working very hard to ensure that this event is well organised.

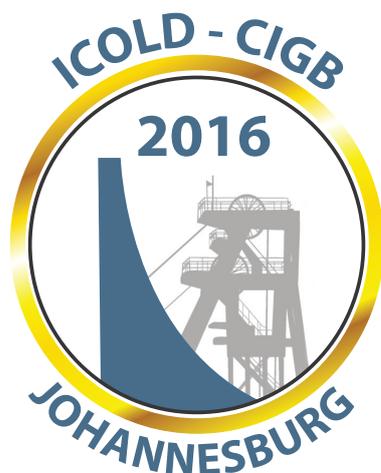
We welcome you to South Africa – experience a taste of Africa!

**Danie Badenhorst**  
Chairperson SANCOLD

Refer to the ICOLD 2016 website for further details

[www.icold2016.org](http://www.icold2016.org)

[email: info@icold2016.org](mailto:info@icold2016.org)



Welcome Message: SANCOLD Chairperson



On the behalf of ICOLD I'm delighted to invite delegates from the National Committees of the International Commission of Large Dams (ICOLD) and specialists and experts working in the field of dams and reservoirs as well as their accompanying persons to the 84th Annual Meeting in Johannesburg, South Africa which will take place from 15 – 20 May 2016. Only after 22 years, namely since the ICOLD Congress and Annual Meeting in Durban, South Africa in 1994, ICOLD delegates can meet finally again in Africa. For all the delegates who participated at the 1994 Congress in Durban, the speech of Nelson Mandela in the opening ceremony is unforgettable. He concluded his welcome address with the following:

*"I understand that many of you will stay after the Congress and take part in a number of study tours to our dams and to our other attractions. I invite you to make use of the opportunity to look around you and to observe the many problems we have to contend with. Although you will see modern infrastructures, as good as any in your countries, you will also see grossly underdeveloped rural areas and large urban settlements with barely any infrastructure. It is my earnest intention and that of my Government to bring about changes. We want to improve the lot of the poorest of our people. Next time, when you again have a Congress or Executive Meeting in this country, you will be able to see these changes with your own eyes. That I promise."*

Without doubt all participants of the 84th Annual Meeting in Johannesburg will have the occasion to see this extraordinary development for the welfare in South Africa not only during the meeting but also during the technical and study tours. Nevertheless, in many other countries in Africa, there is still an urgent need for increased development of water and energy resources as a basis for the economic prosperity and cultural wealth of the societies. Today, only about 12% of the economically and environmentally feasible hydropower potential is used in average on the continent and only some 17 GW are under construction. The remaining economically and environmentally feasible hydropower potential per year in Africa corresponds to 150% of the yearly generation of all hydropower plants under operation in Europe. This reveals again the high potential for dams and reservoir development in Africa as a trigger for welfare.

The participants of the 84th Annual Meeting in Johannesburg will have the chance to discuss in the Symposium the topic of appropriate technology to ensure proper development, operation and maintenance of dams in developing countries which will have a broad application in many countries in Africa and may contribute to the urgently needed future development. Furthermore current issues will be addressed in several special workshops including the workshops of the ICOLD technical committees.

In view of this challenge for dams and reservoir development in Africa I encourage you to come to the 84th Annual Meeting in Johannesburg in May 2015 in order not only to contribute to the discussion of the emerging professional and socio-economic issues but also to meet the ICOLD family. As ICOLD president my sincere wish is also that we succeed to increase the ICOLD family with new African member countries during this event. Finally I'm convinced that the South African National Committee (SANCOLD) ensures a high quality technical content for the meeting and an attractive social and accompanying person's programme to give us a taste of Africa. As in 1994 in Durban it will without doubt be again an unforgettable ICOLD Annual Meeting in Johannesburg!



**Prof. Dr. Anton Schleiss**  
President of ICOLD



**SANCOLD Chairman Theo van Robbroeck  
(now Honorary President ICOLD)  
greets President Mandela at the Opening of the 1994  
ICOLD Congress**

## ICOLD Board

The ICOLD Board consists of the President, the six Vice-Presidents and the Secretary-General. The current Board is composed of the following persons:

### President

Prof Dr A Schleiss (Switzerland, 2015-2018)

### Vice-Presidents

A. Zielinski (Canada 2013-2016)

J. Polimon (Spain 2013-2016)

K.-T. Yum (Korea 2014-2017)

L. Lia (Norway 2014-2017)

A. Chraibi (Morocco 2015-2018)

M. Rogers (USA 2015-2018)

### Secretary General

M. de Vivo (France, 2006-date)



## Member Countries

1. Albania
2. Algeria
3. Argentina
4. Armenia
5. Australia
6. Austria
7. Belgium
8. Bolivia
9. Bosnia-Herzegovina
10. Brazil
11. Bulgaria
12. Burkina Faso
13. Cameroon
14. Canada
15. Chile
16. China
17. Colombia
18. Congo
19. Costa Rica
20. Croatia
21. Cyprus
22. Czech Republic
23. Dominican Republic
24. Egypt
25. Ethiopia
26. Finland
27. Former Yugoslav Rep of Macedonia
28. France
29. Georgia
30. Germany
31. Ghana
32. Greece
33. Guatemala
34. Guinea Bissau
35. Honduras
36. Iceland
37. India
38. Indonesia
39. Iran
40. Iraq
41. Ireland
42. Italy
43. Ivory Coast
44. Japan
45. Kenya
46. Korea
47. Latvia
48. Lebanon
49. Lesotho
50. Libya
51. Luxemburg
52. Madagascar
53. Malaysia
54. Mali
55. Mexico
56. Morocco
57. Mozambique
58. Myanmar
59. Nepal
60. Netherlands
61. New Zealand
62. Niger
63. Nigeria
64. Norway
65. Pakistan
66. Panama
67. Paraguay
68. Peru
69. Philippines
70. Poland
71. Portugal
72. Romania
73. Russia
74. Serbia
75. Slovakia
76. Slovenia
77. South Africa
78. Spain
79. Sri Lanka
80. Sudan
81. Sweden
82. Switzerland
83. Syria
84. Tajikistan
85. Thailand
86. Tunisia
87. Turkey
88. Ukraine
89. United Kingdom
90. Uruguay
91. USA
92. Uzbekistan
93. Venezuela
94. Vietnam
95. Zambia
96. Zimbabwe

## Annual Meetings and Congresses

ICOLD holds an Annual Meeting each year in a different country. The Annual Meeting has a high technical content and attendance is invaluable for capacity building and networking in the international arena. The management of ICOLD is conducted during the General Assembly (previously Executive Meeting). Every three years ICOLD holds a Congress in addition to the normal Annual Meeting activities.

## ICOLD Information

The International Commission on Large Dams (ICOLD) is a non-governmental organization that provides a forum for exchange of knowledge and experience in dam engineering, construction and operation at the international level.

ICOLD leads the profession in ensuring that dams are built safely, efficiently, economically and without detrimental effects for the environment. ICOLD was founded in 1928 and currently has 96 Member Countries.

ICOLD held the following Annual Meetings and **Congresses** (latter indicated in bold type):

1931	London	<b>1964</b>	<b>Edinburgh</b>	1992	Granada
1932	Paris	1965	Lausanne	1993	Cairo
<b>1933</b>	<b>Stockholm</b>	1966	Rio de Janeiro	<b>1994</b>	<b>Durban</b>
1934	London	<b>1967</b>	<b>Istanbul</b>	1995	Oslo
1935	The Hague	1968	Stavanger	1996	Santiago
<b>1936</b>	<b>Washington</b>	1969	Warsaw	<b>1997</b>	<b>Florence</b>
1937	Paris	<b>1970</b>	<b>Montreal</b>	1998	New Delhi
1938	Vienna	1971	Dubrovnik	1999	Antalya
1939	Zurich	1972	Canberra	<b>2000</b>	<b>Beijing</b>
1946	Paris	<b>1973</b>	<b>Madrid</b>	2001	Dresden
1947	The Hague	1974	Athens	2002	Iguaçu
<b>1948</b>	<b>Stockholm</b>	1975	Tehran	<b>2003</b>	<b>Montreal</b>
1949	Brussels	<b>1976</b>	<b>Mexico</b>	2004	Seoul
1950	London	1977	Salzburg	2005	Tehran
<b>1951</b>	<b>New Delhi</b>	1978	Cape Town	<b>2006</b>	<b>Barcelona</b>
1952	Chicago	<b>1979</b>	<b>New Delhi</b>	2007	St. Petersburg
1953	Paris	1980	Rome	2008	Sofia
1954	Paris	1981	Stockholm	<b>2009</b>	<b>Brasilia</b>
<b>1955</b>	<b>Paris</b>	<b>1982</b>	<b>Rio de Janeiro</b>	2010	Hanoi
1956	Lisbon	1983	London	2011	Lucerne
1957	Istanbul	1984	Tokyo	<b>2012</b>	<b>Kyoto</b>
<b>1958</b>	<b>New York</b>	<b>1985</b>	<b>Lausanne</b>	2013	Seattle
1959	Helsinki	1986	Jakarta	2014	Bali
1960	Tokyo	1987	Beijing	<b>2015</b>	<b>Stavanger</b>
<b>1961</b>	<b>Rome</b>	<b>1988</b>	<b>San Francisco</b>		
1962	Moscow	1989	Copenhagen		
1963	Cairo	1990	Sydney		
1963	Paris	<b>1991</b>	<b>Vienna</b>		

## Technical Committees

ICOLD presently has 26 technical committees, as listed below with their term of office. These Committees address current and new issues related to the development and management of water resources. The Technical Committees produce publications called Bulletins and these are available for purchase on the ICOLD website [www.icold-cigb.net](http://www.icold-cigb.net).

- |   |   |
|---|---|
| <b>A.</b> Computational Aspects of Analysis & Design of Dams (2014-17)                            | <b>N.</b> Public Awareness and Education (2015-18)  |
| <b>B.</b> Seismic Aspects of Dam Design (2013-17)   | <b>O.</b> World Register of Dams & Documentation (2014-17)  |
| <b>C.</b> Hydraulics for Dams (2013-16)   | <b>P.</b> Cemented Material Dams (2013-17)  |
| <b>D.</b> Concrete Dams (2015-18)   | <b>Q.</b> Dam Surveillance (2015-18)  |
| <b>E.</b> Embankment Dams (2014-17)   | <b>R.</b> Multipurpose Water Storage (2013-16)  |
| <b>F.</b> Engineering Activities with the Planning Process for Water Resources Projects (2014-17) | <b>S.</b> Flood Evaluation & Dam Safety (2015-18)   |
| <b>G.</b> Environment (2015-17)   | <b>T.</b> Prospective and New Challenges for Dams and Reservoirs in the 21st Century (ad hoc) (2013-16) |
| <b>H.</b> Dam Safety (2015-18)  | <b>U.</b> Dams and River Basin Management (2015-18)   |
| <b>I.</b> Public Safety around Dams (2013-16)   | <b>V.</b> Hydromechanical Equipment (2013-16)   |
| <b>J.</b> Sedimentation of Reservoirs (2013-16)   | <b>W.</b> Selection of Dam Type (ad hoc)(2015-18)   |
| <b>K.</b> Integrated Operation of Hydropower Stations & Reservoirs (2015-19)                      | <b>X.</b> Financial and advisory (ad hoc)(2015-16)  |
| <b>L.</b> Tailings Dams & Waste Lagoons (2014-17)   | <b>Y.</b> Climate Change (2014-17)  |
| <b>M.</b> Operation, Maintenance & Rehabilitation of Dams (2015-18)                               | <b>Z.</b> Capacity Building & Dams (ad hoc) (2015-17)   |

The schedule of Technical Committee meetings is:

- **Monday 16 May (14:00-18:00) : Technical Committee Workshops**  
Selected Committees shown below will present Workshops.  
Further Workshop detail will be provided on the website and in the Pocket Programme.
- **Tuesday 17 May (09:00-12:30 and 13:30-17:00) : Technical Committee Meetings**  
All Committees meet on this day in the allocated venues which will be indicated in the Pocket Programme.

## Technical Committee Workshops

Technical Committee Workshops is a new ICOLD innovation and was first implemented at the 83rd ICOLD Annual Meeting in Stavanger in 2015. The objective of these Workshops is to obtain a greater involvement in the important functioning of ICOLD Technical Committees by way of:

- New Committees at the start of their term of office meet to refine their term of reference and the work programme;
- Technical Committees which have reached the end of their term meet to discuss the draft Bulletin with a wider audience in order to enhance knowledge transfer.

Delegates are encouraged to attend and participate in these important Technical Committee activities and to take them into account when you make your travel plans. The Technical Committee Workshop Programme is given below. The Technical Committee code and the Workshop topic are given.

Time	Technical Committee Workshop Topics on Monday 16 May 2016 Refer to the list above for the coding of the Technical Committees			
	Venue 1	Venue 2	Venue 3	Venue 4
14:00 – 16:00	<b>R:</b> Water Storage: Essential Elements and Emerging Trends	<b>V:</b> Best Practices for Achieving Reliability of Flood Discharge Gates	<b>W:</b> Selection of Dam Type: New Bulletin	<b>Z:</b> ICOLD Capacity Building Approach & Plan
16:00 – 18:00	<b>A:</b> Outcomes of the XIII ICOLD Benchmark Workshop on Numerical Analysis of Dams	<b>B:</b> Earthquake Data Recorded at Dam Sites	<b>J:</b> Draft bulletin on case studies of sediment management & national regulations	<b>M:</b> Technological Progress in the Operation of Hydraulic Structures of Dams

## ICOLD 2016: Programme

Date	Technical Programme		Accompanying Person Programme	Social Programme	
	Morning	Afternoon		am / pm	Evening
<b>Sunday 15 May</b>	Technical One-Day Tours ICOLD Board Meeting			City Tour	
<b>Monday 16 May</b>	ICOLD Board Meeting Meeting of Chairmen of Technical Committees & Board  Young Engineers' Forum Meeting <ul style="list-style-type: none"> <li>• Technical Exhibition Open</li> <li>• Media Conference</li> <li>• Technical Committee Workshops</li> <li>• Francophone Countries Meeting</li> </ul>		Tours each day-see website and detailed programme below	City Tours  (am and pm)	Welcome Reception
<b>Tuesday 17 May</b>	Meetings of Technical Committees Technical Exhibition <ul style="list-style-type: none"> <li>• Regional Club Meetings</li> </ul>				Young Professionals' Social
<b>Wednesday 18 May</b>	Symposium Technical Exhibition				Lesedi Cultural Village
<b>Thursday 19 May</b>	Technical One-Day Tours Technical Exhibition Workshops				
<b>Friday 20 May</b>	84th ICOLD General Assembly Technical Exhibition Workshops				Farewell Dinner

Refer to the website [www.icold2016.org](http://www.icold2016.org) for detail

## Symposium

The Symposium will be held on **Wednesday 18 May**. Provision is made for registration for the Symposium and/or the Workshops only. This will give such delegates an opportunity of also visiting the Exhibition. Many countries in Africa and other developing countries still require major water resources and dam engineering development for both water supply and energy. This theme for the Symposium has accordingly been selected. The title of the Symposium is *Appropriate Technology to Ensure Proper Development, Operation and Maintenance of Dams in Developing Countries*. All papers and presentations will be in English and will be made available in electronic form. One of the Symposium venues will be equipped with simultaneous interpretation from English to French. Presentations in this venue may be made in French.

### Symposium Themes

- 1) Social and environmental impacts and mitigation measures;
- 2) Advances in the rehabilitation of dams and appurtenant works to extend their service life including the following:
  - a. Improving spillway capacity and flood hydrology determination;
  - b. Structural improvements to mitigate the effects of alkali aggregate reaction, internal erosion potential, foundation failure;
- 3) Innovative river basin management including the optimisation of the operation of dams;
- 4) Reservoir sedimentation and management;
- 5) The state of the art of the tailings dams for their complete lifespan;
- 6) Strategies for proper surveillance of dams;
- 7) Sustainable hydropower development in developing countries.

### Important Deadline Submission Dates for Papers

The following remaining important deadline dates have been set:

Item	Deadline Date
Full paper submission	<b>30 November 2015</b>
Full paper reviewed and feedback to author	<b>31 January 2016</b>
Early registration discount deadline	<b>12 February 2016</b>
Final notification of paper acceptance and oral or poster presentation	<b>20 February 2016</b>

Guidelines and templates for the Papers and Presentations will be on the website.

## Workshops

Technical Workshops will be held on **Thursday 19 May** and also on **Friday 20 May** to provide a high technical content during the week of the ICOLD Annual Meeting. Two parallel sessions will be held on each day. The Workshops will be presented by South African, Regional and International experts and adequate provision will be made for discussion by the attendees. Provision is made for registration for the Symposium and/or the Workshops only. This will also give such delegates an opportunity of visiting the Exhibition.

### Workshop Topics and Programme

Time	Session 1	Session 2
<b>Thursday 19th May 2016</b>		
08:30-12:30	<b>Dam Safety Implementation</b> – lessons learnt and current state of the art	<b>International and regional co-operation</b> in shared rivers- lessons learnt
13:30-17:30	<b>Practical Operation and Maintenance issues in developing countries</b>	<b>Environmental releases from dams</b> – practical implications
<b>Friday 20 May 2016</b>		
08:30-12:30	<b>Flood management in arid regions</b>	<b>The use of Geo-Synthetics in dams</b>
13:30-17:30	The long term effect of the <b>aging of concrete</b>	<b>Climate change and its influence on dams</b>

## Technical One-Day Tours

Technical One-Day Tours have been arranged for both **Sunday 15 May** and **Thursday 19 May**. The Sunday tours make provision for those delegates wishing to attend the Workshops on 19 May. Meet in the foyer of the Sandton Convention Centre at least 15 minutes before the departure time. Tours will depart promptly at the stated times. Please wear long pants and sturdy, closed shoes.

Technical Tours on Sunday 15 May		Technical Tours on Thursday 19 May	
Time	Tour	Time	Tour
07:30 - 17:00	<b>TT 1</b> Rust de Winter Dam	07:30 - 17:00	<b>TT 6</b> Rust de Winter Dam
07:30 - 16:00	<b>TT 2</b> Bospoort Dam	07:30 - 16:00	<b>TT 7</b> Bospoort Dam
07:30 - 18:00	<b>TT 3</b> Vaal Dam & VRESAP System	07:30 - 18:00	<b>TT 8</b> Vaal Dam & VRESAP System
08:00 - 17:00	<b>TT 4</b> Acid Mine Drainage Project	08:00 - 17:00	<b>TT 9</b> Acid Mine Drainage Project
08:00 - 16:00	<b>TT 5</b> Tailings Retreatment Project	08:00 - 16:00	<b>TT 10</b> Tailings Retreatment Project

### Rust de Winter Dam (TT 1 and TT 6)

Rust de Winter Dam is a 31 m high CFRD dam situated on the Elands River approximately 60 km north of Pretoria. The dam was built in 1934 for irrigation purposes and is registered as a category III dam with the Dam Safety Office of the Department of Water and Sanitation (DWS). The dam underwent rehabilitation in 2012 due to the following problems:

- Inadequate spillway capacity- The spillway had a discharge capacity of 1 835 m<sup>3</sup>/s and a Safety Evaluation Flood (SEF) of 3 385 m<sup>3</sup>/s.
- Intake and outlet works mechanical/electrical equipment were in dire need of maintenance.
- Operation and Maintenance Manual and Emergency Preparedness Plan were not adequate.
- Auxiliary embankment was in bad shape.

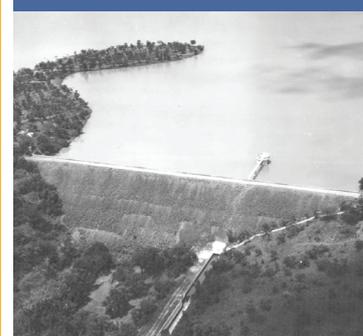
The tour will be a two hours trip by coach from Sandton to Rust de Winter. Lunch will be provided at the dam site. On the way back to Johannesburg, there will be an opportunity to visit the Union Buildings (the seat of Government of the Republic of South Africa). A nine meter tall bronze statue of Former President Nelson Mandela was unveiled at the lawns of the Union Buildings a week after he was buried. This is where his mortal remains lay in state for three days at the newly renamed Nelson Mandela Amphitheater.

### Bospoort Dam (TT 2 and TT 7)

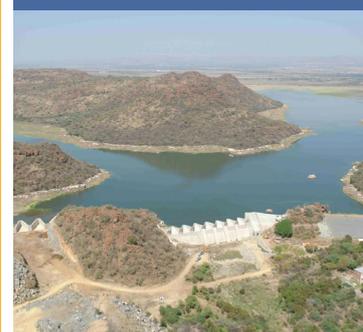
Bospoort Dam is a 28 m high concrete gravity structure dam situated on the Hex River near the town of Rustenburg in the North-West Province. The dam was completed in 1933 and has since been raised three times. The first raising was for 5 m in 1953 and that included changing the original buttress structure into a concrete gravity section. In 1972 the dam was further raised and 3,2 m high radial gates were installed as well as 75 tensioned cables (800 kN) to enhance the stability of the gravity wall. The dam is used to supply potable water to the town of Rustenburg. Recent rehabilitation work included the removal of the 12 radial gates and replacing them with a labyrinth spillway. The motor coach will depart from Sandton and the trip is a 2,5 hour drive to the dam. Lunch will be served on site. On the way back from Bospoort Dam, the return trip will go via the Hartbeespoort Dam which is a 59 m high variable radius arch dam constructed in 1923.



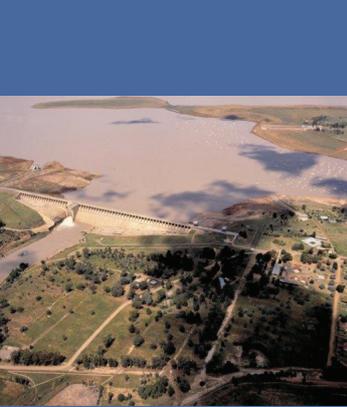
Rust de Winter Dam



Rust de Winter Dam



Bospoort Dam



Vaal Dam



Vaal Dam



Tailings Retreatment Project

### Vaal Dam and the VRESAP System (TT 3 and TT 8)

The motor coach will leave Sandton and travel for approximately 2 hours where the delegates will be given a guided tour of Vaal Dam which is the main component of the Vaal River System which supplies water to the metropolitan area of Gauteng. A briefing of how the VRESAP system (a large water transfer project) operates. There will be an opportunity to visit one of the VRESAP sites.

### Acid Mine Drainage Project (TT 4 and TT 9)

Mine water started accumulating in old mine workings as underground operations ceased and withdrew from the mining basins, leaving deep shafts that provide direct access for water and oxygen to underground rock surfaces. The water that filters into these empty shafts via recharge and runoff water is characterised by acidity, high metal content and high salinity, and is known as Acid Mine Drainage (AMD). An emergency short-term intervention to neutralise the AMD and discharge it into the river system was required whilst the feasibility study for a long-term solution was being undertaken. The short-term intervention is underway in all three basins and consists of:

- Installation of pumps to extract water from the mine void to on-site treatment plants;
- Construction of an on-site water treatment plant in each basin with the option of refurbishing and upgrading the existing plants owned by the mines.  
The Central Basin High Density Sludge (HDS) Plant will treat 72Ml/day.  
The Eastern Basin HDS Plant will treat 106 Ml/day;
- Installation of infrastructure to convey treated (neutralised) water to nearby water courses.

The primary aim of the short-term solution for the treatment of AMD in the Witwatersrand Basins focuses on treating it to a level (Environmentally critical Level (ECL)) that can be discharged into the environment with tolerable impacts on downstream water users. This requires neutralisation of the acidic mine water and the precipitation and removal of heavy metals.

### Tailings Retreatment Project (TT 5 and TT 10)

Pan African Resources (PLC), owners of Evander Gold Mines (Pty) Limited, is currently re-treating gold tailings deposited on the Kinross Tailings Storage Facility (TSF). The tailings are being hydro-mined by Fraser Alexander (Pty) Ltd, which involves re-pulping the tailings utilising high pressure water and pumping the resultant tailings slurry to the Kinross Gold Plant for processing and further gold extraction. The re-processed tailings are then pumped to and deposited by Fraser Alexander on the nearby Winkelhaak TSF.



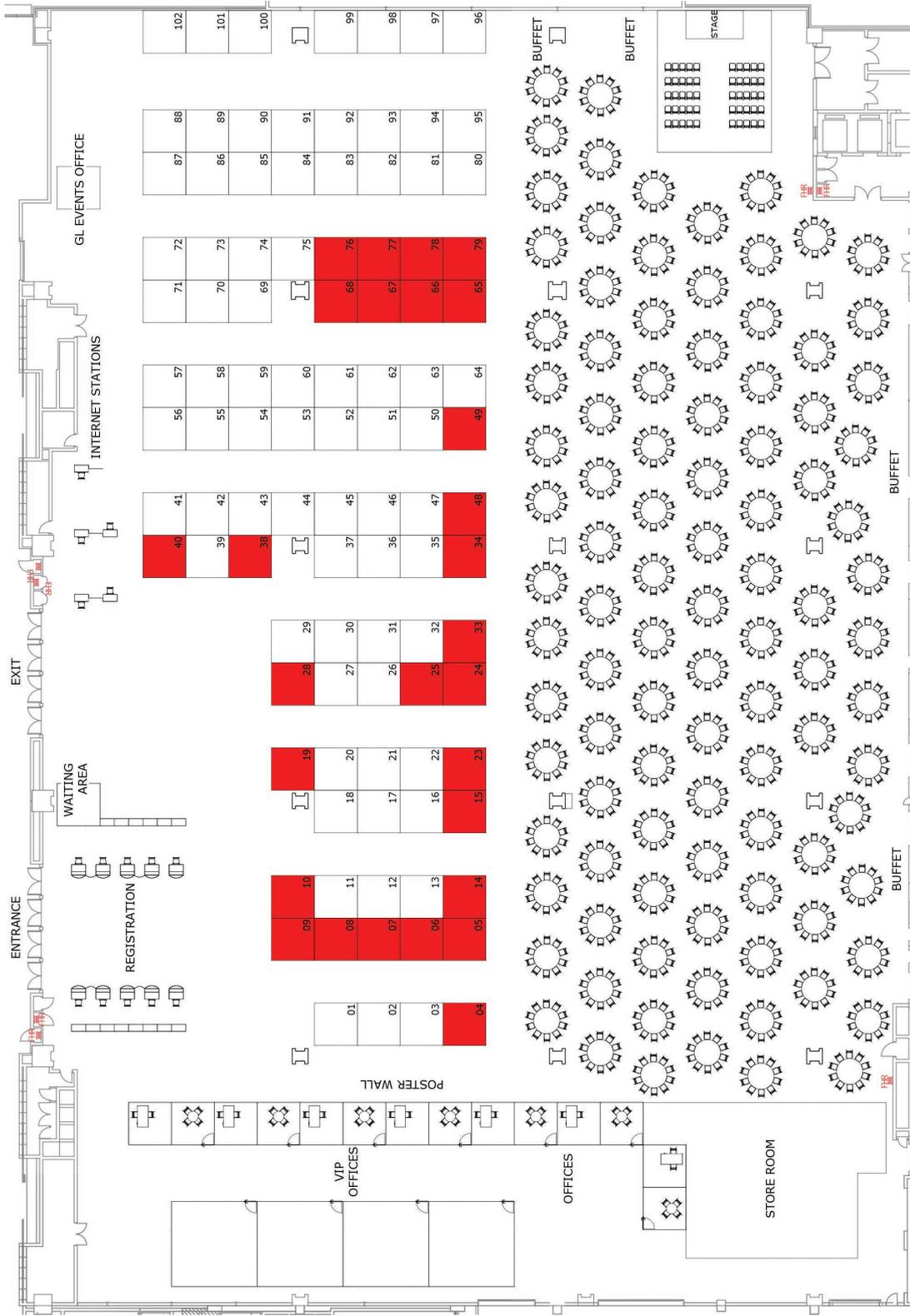
Acid Mine Drainage

# Technical Exhibition

The Technical Exhibition will be held for the full week of the meeting and is an ideal opportunity for organisations to promote their services to a large international group from the water sector. The Exhibition area will also be utilised for refreshments and lunches as well as a hospitality centre for Accompanying Persons. Internet facilities will be available in the Exhibition area.

## EXHIBITION FLOOR PLAN

■ Assigned



# Technical Exhibition

# Study Tours

## Study Tours

Delegates and Accompanying Persons will be able to choose from the pre- and post-meeting study tours listed below. The tours have been chosen to provide a balance between technical, cultural and touristic interest and to give you a real African experience. Further detail is provided on the website.

Tour	Tour Symbol	Study Tour Name	Touring Dates*	Duration Days	Tour Price/Person (ZAR)	
					Double Occupancy	Single Occupancy
Pre-Meeting Tours	A	Lesotho	11-15 May	5	R11 700	R13 200
	B	Cape Winelands	10-15 May	6	R13 900	R16 400
	C	Swaziland and Kruger National Park	11-15 May	5	R13 800	R15 600
	D	Desert Wonder	12-15 May	4	R12 800	R13 800
Post-Meeting Tours	E	Lesotho	21-25 May	5	R11 700	R13 200
	F	Cape Winelands	21-26 May	6	R13 900	R16 400
	G	Swaziland and Kruger National Park	21-25 May	5	R13 800	R15 600
	H	Dams and Energy	21-23 May	3	R6 500	R7 600
	I	Zambezi Magic	21-24 May	4	R29 500	R31 600

\*See website for detailed departure/arrival times and dates

**Pre and Post Tour nights' accommodation may be a requirement dependent on individual departure and return times of the tours as listed above**

All study tour fees include motor coach transportation, hotels, meals and entrance fees. Please note that airfares for the Cape Winelands, Desert Wonder and Zambezi Magic Tours are not included as it will be cheaper to include this on the tour participant's international air ticket. Tour participants require valid passports and visas as necessary for the Lesotho, Namibia, Swaziland and Kruger National Park and the Zambezi Magic Tours. Please make your tour reservation early as spaces are limited. Tours will also require a minimum number of participants and if not achieved, will be cancelled.

### Lesotho (A and E)

This five day tour will take you through the Kingdom of Lesotho, home to the Lesotho Highlands Water Project which transfers water to South Africa and generates hydropower. We will visit the impressive 185 m high concrete arch Katse Dam, 145 m high CFRD Mohale Dam, 80 m high RCC Metolong Dam, various transfer tunnels, and the 72 MW Muela Power Station. Lesotho also offers a rich cultural experience to which participants will be exposed by spending time at the Thaba Bosiu Cultural Village, where you will be able to learn more about the local culture and purchase a coveted Lesotho blanket. En route back to Johannesburg we will spend one night in the charming town of Clarens, situated in the foothills of the Maluti Mountains. This town will capture your heart with its amazing coffee shops and art galleries. This tour promises fantastic views of the countryside of both Lesotho and South Africa.

### Cape Winelands (B and F)

The Western Cape is famous for the amazing scenery that includes Table Mountain, Robben Island, Cape Point and Whale watching. To top it all the shopping experience is world class and the wine is award-winning. Combined with a visit to one of the oldest dams in the Cape, the 111 year old Hely Hutchinson Dam (on top of Table Mountain), the Berg River Dam, Palmiet Pumped Storage Scheme, and Clanwilliam Dam (the heightening (raising) of the dam currently under construction), this tour provides the perfect balance between sightseeing and engineering marvels. A stay at one of the provinces' top wine farms, as well as a visit to the impressive V&A Waterfront, this tour ensures an unforgettable six days in the southernmost part of sunny South Africa.



Katse Dam



Table Mountain



Cape Winelands

## Swaziland and Kruger National Park (C and G)

This tour combines scenic routes in neighbouring country Swaziland with game watching in the Kruger National Park. The tour starts with a visit to the 115 m high Maguga Dam which has one of the largest labyrinth spillways in the world, as well as the Driekoppies Dam. This will be followed by two full days spent in the renowned Kruger National Park, where you will get a chance to spot the Big Five in one of Africa's premier game reserves. Bushmen Paintings and a Night Game Drive are just a few of the highlights to look forward to. This five day tour concludes with a visit to the recently completed 81 m high RCC De Hoop Dam, located in the Sekhukhuneland.

## Desert Wonder (D)

(Neckertal RCC Dam and glimpses of Namibia)

This four day pre-meeting tour takes you to neighbouring country Namibia, an arid region in south western Africa. The country is home to the Namib Desert, considered to be one of the oldest deserts in the world. The country only has a handful of large dams, one of them currently under construction. The Neckertal Dam, constructed from RCC, will be 80 m high when complete. The dam is located close to Keetmanshoop on the Fish River. The water will be used for irrigation activities and hydropower generation. After visiting the Fish River Canyon and Hardap Dam en route, participants will overnight in Windhoek, the capital of Namibia, and enjoy local cuisine as well as a visit to the N/a'an kusê Foundation, responsible for conservation of Namibian wildlife. The tour starts and ends in Windhoek.

## Dams and Energy (H)

South Africa has various pumped storage schemes to assist in balancing electricity demand during peak periods. This tour takes you to the Drakensberg Pumped Storage Scheme (PSS) located in the heart of KwaZulu-Natal which has an installed capacity of 1 000 MW, the 1330 MW Ingula PSS (currently under construction), as well as the Vaal Dam, which supplies most of Gauteng Province's drinking water. This three day technical tour's main focus is on large hydropower schemes in South Africa. Enjoy Zulu culture and hospitality!

## Zambezi Magic (I)

(Victoria Falls and Kariba Dam)

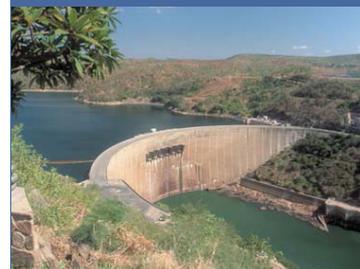
This four day tour takes you to the Zambezi River, the fourth-longest river in Africa which crosses five countries. The first stop is the Victoria Falls, a world heritage site and the largest natural waterfall in the world, known to the locals as "The smoke that thunders". Sufficient time is allowed for various activities of your choice such as helicopter rides, bungee jumping, white water rafting, and tasting the local delicacies of warthog and crocodile. After an adrenaline filled few days, the next stop will be the Kariba Dam, a 128 m high concrete arch dam built in the 1950's and which is now implementing a comprehensive rehabilitation programme. The tour starts in Livingstone, Zambia and ends in Lusaka, the capital of Zambia.



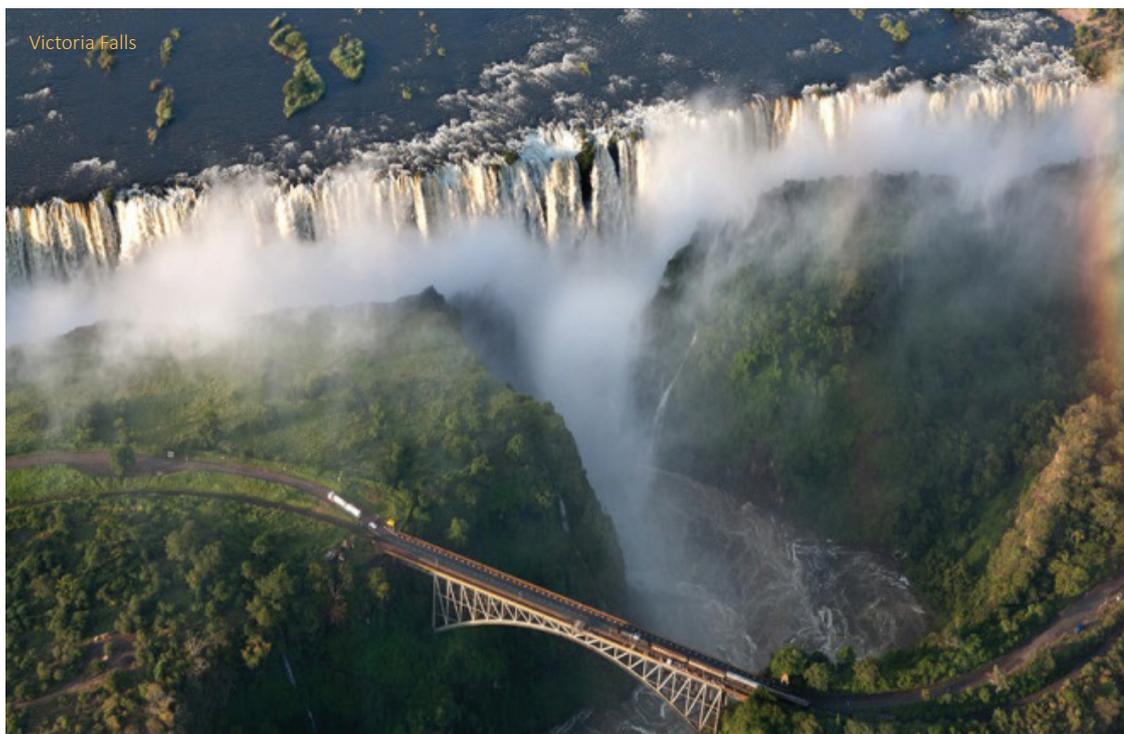
Maguga Dam



Drakensberg



Kariba Dam



Victoria Falls

## Accompanying Person Programme (Local Tours)

The City Tour is included in the Registration fee and is offered on the following days.

City Tours			
Date	Time	Tour No.	Tour
<b>Sunday 15</b>	14:00-16:30	<b>CT 1</b>	City Tour
<b>Monday 16</b>	09:00-11:30	<b>CT 2</b>	City Tour
<b>Monday 16</b>	14:00-16:30	<b>CT 3</b>	City Tour

### Johannesburg City Tour (CT 1, CT 2 and CT 3)

(Half day) (Price included in the Registration Fee)

#### All Entrance Fees Included:

Minimum Participants: 10

Maximum Participants: 44 per bus

This landlocked city is able to take you back to its humble beginnings as a mining settlement to later progress and become the 40th largest metropolitan area in the world. Travel our streets reliving the South African dream. This tour includes the numerous historical buildings within the Central Business District, the township of Hillbrow and the suburb of Houghton. Find yourself 50 floors up the 223 m-high Carlton Centre, best referred to as the “Top of Africa”. Here you will enjoy a 360 degree view of Johannesburg. Enjoy some of the local cuisine before visiting the Nelson Mandela Bridge in Newtown – a gleaming apex in the city’s skyline. End of your tour with one of South Africa’s most important heritage sites – Constitution Hill.

#### Optional Tours

The following optional tours are offered to Accompanying Persons and Delegates for an additional fee. All tours are subject to cancellation if the minimum number of registrations is not met. Every effort will be made to accommodate persons on a cancelled tour onto another one. Cancelled tour fees will be refunded or credited to other tours by prior arrangement. Full-day tours include lunch. The Tour Programme is given below. All local tours depart from the Sandton Convention Centre. Please arrive at the SCC at least 15 minutes before the departure time.

Local Tours				
Date	Time	Tour No	Tour	Cost (ZAR)
<b>Mon 16 May</b>	08:00 – 17:00	<b>AP 1</b>	Cradle of Humankind	R1 700
	08:30 – 16:30	<b>AP 2</b>	Soweto (Full day)	R3 820
	12:00 – 16:00	<b>AP 3</b>	Pretoria City	R970
<b>Tues 17 May</b>	06:30 – 18:00	<b>AP 4</b>	Pilanesberg & Sun City	R2 420
	09:00 – 17:00	<b>AP 5</b>	Cheetah Centre	R1 870
	08:30 – 16:30	<b>AP 6</b>	Gold Reef City & Apartheid Museum	R1 650
	12:30 – 16:30	<b>AP 7</b>	Soweto	R1 030
<b>Wed 18 May</b>	08:30 – 16:30	<b>AP 8</b>	Gold Reef City & Apartheid Museum	R1 650
	08:00 – 17:00	<b>AP 9</b>	Cradle of Humankind	R1 700
	08:30 – 16:30	<b>AP 10</b>	Soweto (Full day)	R3 820
	12:00 – 16:00	<b>AP 11</b>	Pretoria City	R970
<b>Thurs 19 May</b>	06:30 – 18:00	<b>AP 12</b>	Pilanesberg & Sun City	R2 420
	09:00 – 17:00	<b>AP 13</b>	Cheetah Centre	R1 870
	12:00 – 16:00	<b>AP 14</b>	Pretoria City	R970
	08:00 – 12:30	<b>AP 15</b>	Soweto	R1 030
<b>Fri 20 May</b>	08:30 – 16:30	<b>AP 16</b>	Gold Reef City & Apartheid Museum	R1 650
	08:00 – 17:00	<b>AP 17</b>	Cradle of Humankind	R1 700
	09:00 – 17:00	<b>AP 18</b>	Cheetah Centre	R1 870
	12:00 – 16:00	<b>AP 19</b>	Pretoria City	R970
	08:00 – 12:30	<b>AP 20</b>	Soweto	R1 030

## Gold Reef City and Apartheid Museum (AP 6, AP 8 and AP 16)

(Full day)

### Entrance fees Included:

- Gold reef City, featuring “Jozi story of Gold”
- The Apartheid Museum

Minimum Participants: 10

Maximum Participants: 44

The ‘Full Day Tour’ will see you heading off to the historical world of Gold Reef City Theme Park where you will relive ‘Jozi’s Story of Gold’ and experience a truly magical trip. Discover how gold was discovered on the Reef, descend 75 metres underground- discovering where South Africa’s riches come from and witness the magnificent glow of a live gold pour. Take on the adrenalin-pumping rides as you go against the laws of gravity at the Theme Park. Partake in the local cuisine while exploring the entertainment arena and its abundant offerings. Your next stop is the Apartheid Museum, the first of its kind, illustrating the rise and fall of apartheid. The museum is a superb example of design, space and landscape offering the international community a unique South African experience. The exhibits have been assembled and organised by a multi-disciplinary team of curators, film-makers, historians and designers. They include provocative film footage, photographs, text panels and artefacts illustrating the events and human stories that are part of the epic saga, known as apartheid. A series of 22 individual exhibition areas takes the visitor through a dramatic emotional journey that tells a story of a state-sanctioned system based on racial discrimination and the struggle of the majority to overthrow the tyranny. A light lunch is included in this tour. [www.goldreefcity.co.za](http://www.goldreefcity.co.za)

## Soweto (AP 2 and AP 10)

(Full day)

### Entrance fees included:

- Hector Pieterse Memorial
- The Apartheid Museum
- Regina Mundi
- Short Cycle Trip

Minimum Participants: 5

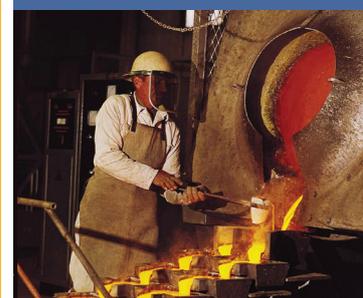
Maximum Participants: 8

Enjoy a ‘Full Day Tour’ experiencing the bustling life of the renowned Soweto’s eKasi (township). Soweto is a symbol of the New South Africa, caught between old squatter misery and new prosperity, squalor and an upbeat lifestyle, it’s a vibrant city which still openly bears the scars of the Apartheid past, yet, shows what’s possible in the new South Africa” Journey to the museum and memorial of Hector Pieterse, the museum opened in 2002 and houses photographic and audio-visual displays of the struggle of the youth against the injustices of apartheid. Hector Pieterse, age 13, was one the first students to be killed during the 1976 Student Uprising in Soweto. He has since become a symbol of youth resistance to apartheid.

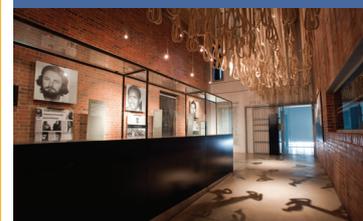
Enjoy a delicious lunch at a local “Shabeen-style” restaurant and shed a few pounds while enjoying a short cycle-trip through some of Soweto’s most popular streets. This tour is not complete until you have seen the Apartheid Museum- the first of its kind, illustrates the rise and fall of apartheid. The museum is a superb example of design, space and landscape offering the international community a unique South African experience. The last stop of your tour will be ‘Regina Mundi’, the largest Roman Catholic Church in South Africa, located in Rockville, Soweto. Due to the role it played as a place of gathering for the people of Soweto in the years before, during, and after the anti-apartheid struggle, it is often referred to as “the people’s church”. In 1997, the late former President Nelson Mandela established the 30th November as “Regina Mundi Day” to honour the church.



Vilakazi Street



Gold Reef City



Apartheid Museum



Apartheid Museum



Vilakazi Street

# Accompanying Person Programme

## **Soweto (AP 7, AP 15 and AP 20)** (Half day)

### **Entrance Fees Included:**

- Hector Peterson Memorial
- Regina Mundi

Minimum Participants: 10

Maximum Participants: 44

Enjoy a 'Half Day Tour' experiencing the bustling life of the renowned Soweto's eKasi (township). Soweto is a symbol of the New South Africa, caught between old squatter misery and new prosperity, squalor and an upbeat lifestyle, it's a vibrant city which still openly bears the scars of the Apartheid past, yet, shows what's possible in the new South Africa" Visit the bustling and renowned street of Vilakazi – made famous for being the only street in the world where two Nobel Prize winners resided in. (Archbishop Desmond Tutu and the late Nelson Mandela). Journey to the museum and memorial of Hector Pieteron, the museum opened in 2002 and houses photographic and audio-visual displays of the struggle of the youth against the injustices of apartheid. Hector Pieteron, age 13, was one the first students to be killed during the 1976 Student Uprising in Soweto. He has since become a symbol of youth resistance to apartheid. Your tour won't be complete without a visit to 'Regina Mundi', the largest Roman Catholic Church in South Africa, located in Rockville, Soweto. Due to the role it played as a place of gathering for the people of Soweto in the years before, during, and after the anti-apartheid struggle, it is often referred to as "the people's church". In 1997, the late former President Nelson Mandela established the 30th November as "Regina Mundi Day" to honour the church. Finish your cultural experience by driving through the suburb of Houghton where our beloved Nelson Mandela spent his last days.

## **Cheetah Centre (AP 5, AP 13 and AP 18)** (Full day)

### **Entrance Fees included:**

- Cheetah Centre 3 hour guided tour

Minimum Participants: 10

Maximum Participants: 44

Begin your morning with a leisurely drive towards Hartbeespoort Dam while taking in the magnificent sights of "Saartjies Nek" along the dam wall. After a brief stop at Chameleon Village (shopping district) you will continue your journey towards the Ann van Dyk Cheetah Centre in time for your 13:30 tour. Established in 1971, initially as a cheetah breeding project, the Centre has during the past 40 years bred over 800 cheetah cubs. Various conservation projects have been initiated since its inception which also includes a successful African wild dog breeding programme. Known in the past as the De Wildt Cheetah Centre the name has recently been changed to the Ann van Dyk Cheetah Centre as a tribute to the woman who has devoted her life to the survival of the cheetahs as well as other rare and endangered species. A light lunch is included in this tour. [www.dewildt.co.za](http://www.dewildt.co.za) for further detail.

## **Pilanesberg and Sun City (AP 4 and AP 12)** (Full day)

### **Entrance fees included:**

- Open Safari Vehicle Game Drive
- Entrance fees into the park

Minimum Participants: 10

Maximum Participants: 44

Take in the incredible sights and sounds of nature with the morning spent game viewing in the Pilanesberg National Park. The crater of a long extinct volcano is the setting of Pilanesberg National Park. The Park boasts healthy populations of lion, leopard, black and white rhino, elephant and buffalo – the "Big 5". There is a wide variety of rare and common species. A few of the endemic species that may be seen here are the brown hyena, the fleet-footed cheetah, the majestic sable, as well as giraffe, springbok, zebra, hippo and crocodile. The bird watching is excellent with over 360 species recorded.



African Safari



After the relaxing morning you will proceed to Sun City for an afternoon at leisure to sample the activities at “The Kingdom of Pleasure”. Enjoy the casino, world-class African cuisine, wave and swimming pools and Lost City (optional extra). The Sun City Resort Complex is one of the world’s largest adult entertainment centres- a luxury theme park for grown-up kids. A light lunch is included in this tour.

**Cradle of Humankind (AP 1, AP 9 and AP 17)**

(Full day)

**All Entrance Fees including lunch:**

- Maropeng Visitors Centre
- Sterkfontein Caves

Minimum Participants: 10

Maximum Participants: 44

This ‘Full Day Tour’ consisting of the Sterkfontein Caves as well as the Maropeng Visitors Centre, is certain to awaken the archaeologist in you. Journey to the ‘Cradle of Humankind’, declared a World Heritage Site in 1999 because of the area’s exceptional contribution to our understanding of the history of humanity, over more than 3-million years. Altogether, there are 15 major fossil sites in the Cradle of Humankind, of which the Sterkfontein Caves is the most famous.

Enjoy lunch at the Cradle’s restaurant and visit the virtual reality auditorium, exhibition spaces, lecture theatre, and shop- all while unfolding the journey of humankind. The fossils “Mrs Ples” and “Little Foot” were both discovered at the Sterkfontein Caves, as well as thousands more fossils of hominids, which are human ancestors. It is interesting to note that more hominid fossils have been found in the Cradle of Humankind than anywhere else on Earth. View also the recent discovery of Homo naledi.

**Pretoria City (AP 3, AP 11 and AP 19)**

(Half day)

**Entrance Fees included:**

- Voortrekker Monument
- Kruger House

Minimum Participants: 10

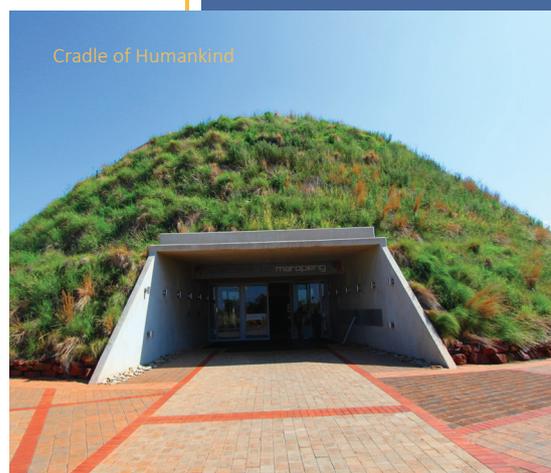
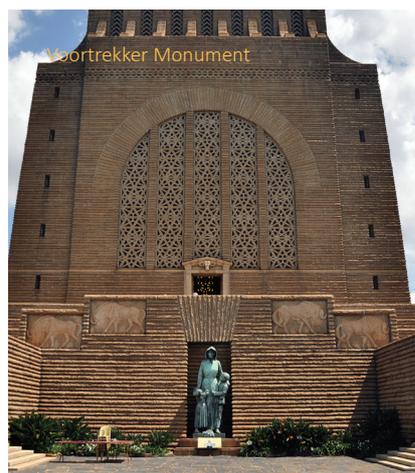
Maximum Participants: 44

Prepare to ‘trek’ across a city where buildings are architecturally significant and a nation congregates around statues of past leaders. Take this opportunity to stand in front of the heart of the country overlooking a city built on passion and determination. This tour includes the historical Voortrekker Monument - a unique Monument which commemorates the pioneer history of Southern Africa and the history of the Afrikaner, situated in a beautiful setting; the Paul Kruger House- built in 1884, Paul Kruger took a leading role in the Transvaal War against Britain in 1889-1881.

At the age of 57 Kruger was elected President of the Zuid-Afrikaansche Republiek (ZAR) and took up residence at Kruger House in Pretoria. The Union Buildings- the official seat of the national government and houses the offices of the President was completed in 1913. Take advantage of the excellent photo opportunities, meet the local people and view the magnificent new Nelson Mandela statue built at the Union Building in memory of the late hero.



Union Buildings



## Accommodation

Reservation of rooms at a variety of hotels has been done. The summary list below has been divided into three main groups by distance from the Sandton Convention Centre and then sorted by hotel rating. Refer also to the maps below for the location of the hotel. Please make your room reservation while registering for the Annual Meeting. Room availability is limited and delegates are advised to make early reservations in the hotels of their choice. The block bookings will start being released from **15 March 2016**. Please note that these rates can be booked only through the official website. The hotel cost for the full period of your stay should be paid in advance via the online registration process.

### Summary of reserved accommodation for ICOLD 2016

Hotel Name	Star Rating	Number of reserved rooms	Single Daily Room Rate <sup>1</sup> ZAR	Double Daily Room Rate <sup>1</sup> ZAR	Distance to the Sandton Convention Centre km
<b>Hotels adjacent or linked to the Sandton Convention Centre</b>					
InterContinental Johannesburg Sandton Towers	5*	40	R2 929	R3 152	0 <sup>2</sup>
Sandton Sun Hotel	5*	40	R2 626	R2 828	0
The Michelangelo Hotel	5*	10	R3 251	R3 813	0
DaVinci Hotel and Suites	5*	40	R2 677	R2 828	0
Garden Court Sandton City	3*	180	R1 762	R1 908	0
<b>Hotels within 1 to 1.2 km from the Sandton Convention Centre</b>					
Protea Hotel Balalaika	4*	150	R2 099	R2 286	1
Radisson Blu Gautrain	4*	70	R2 041	R2 475	1
Radisson Blu Hotel Sandton	4*	65	R2 565	R2 765	1
The Maslow Hotel Sandton	4*	150	R2 190	R2 380	1.2
City Lodge Hotel Sandton Morningside	3*	60	R1 515	R1 870	1.2
City Lodge Katherine Street	3*	60	R1 515	R1 870	1.2
Garden Court Morningside	3*	90	R1 765	R1 765	1.2
<b>Hotels more than 1.2 km from the Sandton Convention Centre</b>					
Hyatt Regency Hotel	5*	60	R2 826	R3 179	5
The Capital 20 West	4*	62	R1 578	R1 745	3
Holiday Inn Sandton Rivonia	4*	80	R1 816	R2 018	4
Holiday Inn Johannesburg-Rosebank	4*	80	R1 816	R2 018	5.6
Crowne Plaza Hotel Rosebank	4*	100	R1 614	R1 917	5
Park Inn	3*	95	R1 350	R1 550	4
Town Lodge Sandton Grayston Drive	2*	60	R1 250	R1 530	4
Road Lodge Hotel Rivonia	1*	40	R880	R960	4

#### Notes

1. The daily room rate includes breakfast, VAT and levies.
2. The distance '0' denotes that the hotel is either linked by walkway to the Sandton Convention Centre or that the distance is not greater than 100m.

The check in time for most of the hotels is 14:00 and check out time is 11:00  
Refer to the "Accommodation" page on the website for the individual times.  
All of the hotels have luggage storage facilities.

**A shuttle bus service will be provided for delegates staying at the official annual meeting hotels to/from the Sandton Convention Centre and also for social/cultural events. A detailed schedule will be published in the website and in the Pocket Programme.**

**Inter Continental Johannesburg Sandton Towers**

5th St, Sandton, Johannesburg, 2146

Towering high above the Sandton’s contemporary skyline is the ultra-luxurious The InterContinental Sandton Towers Johannesburg – the perfect hotel for business travellers. With direct access to South Africa’s exclusive shopping complex, Sandton City, as well as the Sandton Convention Centre, this fine hotel offers world-class facilities and service.

**Sandton Sun Hotel**

Corner Fifth and Alice Streets, Sandton, Johannesburg, 2196

The hotel is, linked to Sandton Convention Centre and Sandton City Mall, walking distance to Gautrain station. This stunning hotel is a landmark in Johannesburg and is renowned for its luxurious accommodation. It also offers a number of restaurants, a business centre, a spa and gym, and a sparkling swimming pool.

**The Michelangelo Hotel**

135 West Street, Nelson Mandela Square, Sandton, Johannesburg 2146

Located in the Sandton South Africa business and leisure district, the service excellence and world-class facilities on offer, sets The Michelangelo Hotel apart from its competitors. Built around a central atrium, guests enjoy the decadent use of space which gives the feeling of grandeur in an area where space is at a premium. It’s this serenity of Renaissance-style elegance that makes Michelangelo one of the Leading Hotels of the World.

This magnificence encourages guests to take time to revel in the finer things life has to offer – indulging in a superb meal at The Piccolo Mondo Restaurant or shopping at some of Africa’s finest boutiques at the adjacent Michelangelo Towers Mall, the Nelson Mandela Square or Sandton City. The area boasts four world-class shopping centres, with over 450 shops, which means there is no shortage of places to indulge in hours of retail therapy. The assortment of over 90 restaurants, bars and cafés in Sandton Central means that day or night one will never be short of options to whet one’s appetite.

**DaVinci Hotel and Suites**

2 Maude St, Johannesburg, 2146

This hotel is located in a prime position in Sandton and within a short walking distance to the Sandton Convention Centre. Guests can enjoy the convenience of luxury accommodation coupled with a deluxe shopping experience. Stores are located at the Legacy Corner Mall and, due to its location; guests have easy access to the prestigious Sandton City mall.

**Garden Court Sandton City**

Corner of Maude and West Streets, Sandton, 2146

This modern hotel is located adjacent to the Sandton Convention Centre and the Nelson Mandela Square shopping centres. It offers an outdoor swimming pool, a gym and a terrace.

The air-conditioned rooms at the Garden Court Sandton City are decorated in warm colours. Each is equipped with modern amenities, including a flat-screen TV with satellite channels, a work desk and a tea/coffee maker. The Garden Court’s restaurant serves rich international dishes prepared with seasonal ingredients. There is also a casual bar serving refreshing drinks and light snacks.

**Protea Hotel Balalaika**

20 Maude St, Sandton, Johannesburg, 2146

Established in 1949, the Protea Hotel Balalaika Sandton Hotel is premier hotel, set in the heart of Sandton. This stylish property boasts two private gardens and two sparkling pools, a fitness centre and is completely Wi-Fi compatible.

Complimentary high-speed Wi-Fi is accessible throughout the hotel and the Wi-Fi station situated in the lobby provides convenience for guests requiring instant access to the internet. The hotel is only 1 km from Sandton City Shopping Centre, Nelson Mandela Square and the Sandton Convention Centre.



Inter Continental Johannesburg Sandton Towers



Sandton Sun Hotel



The Michelangelo Hotel



DaVinci Hotel and Suites



Garden Court Sandton City

## Radisson Blu Gautrain

Rivonia Road & West Street, Sandton, Johannesburg, 2196

This hotel is situated right across from the Gautrain station and walking distance from Nelson Mandela Square and Sandton City. It boasts beautifully appointed guest rooms. This 4-star hotel is within 1 km walking distance to the Sandton Convention Centre. Complimentary wired and wireless Internet access is available at the hotel.

## Radisson Blu Hotel Sandton

Corner of Rivonia & Daisy Road Sandton Johannesburg

This newly built Radisson Blu Hotel occupies a prime location in the heart of Sandton's business district. Its impressive atrium sets the tone for a memorable experience. Radisson Blu Hotel Sandton features 5 000 m<sup>2</sup> of spa and fitness facilities. They include an 8th-floor swimming pool with sun deck and views of the city skyline, a state-of-the-art gym and an indoor/outdoor jogging track. Radisson Blu Hotel Sandton is within walking distance of the Village Walk Shopping Complex. OR Tambo International Airport is 30 km away. The Sandton Convention Centre is 1 km away.

## The Maslow Hotel Sandton

146 Rivonia and corner Grayston, Sandton 2146

The hotel is conveniently situated close to Sandton's business district, the Gautrain Station, 1.2 km from the Sandton Convention Centre and within close proximity of the Sandton City Mall. The Maslow Hotel offers you more than an exceptional location and modern design. It is equipped with a media hub connected with free Wi-Fi.

## City Lodge Hotel Sandton Morningside

2 Hill Road, Sandton, 2057

This hotel is situated 1.2 km from Sandton Convention Centre and Nelson Mandela Square. It boasts modern stylish rooms and is close to a gym and 3 minutes from the shopping centres of Benmore Gardens. The convenience of this hotel is reinforced by its close proximity to the M1 motorway, the 30 minute drive from the OR Tambo International Airport and the hotel is 2 km from the Gautrain Sandton Station.

## City Lodge Katherine Street

Corner Katherine Street & Grayston Dr, Sandown, Sandton, 2196

The City Lodge Katherine Street Hotel in Sandton, Johannesburg, enjoys an excellent location is a 30 minute drive from the OR Tambo International Airport. The hotel rooms are modern and feature en-suite bathrooms with baths and showers. This hotel is situated 2 km from Sandton Convention Centre, the bustling Nelson Mandela Square and the Village Walk Shopping Centre. Guests can also enjoy access a fitness room in the hotel and a restaurant is located on the property.

## Garden Court Morningside

Corner Rivonia and Cullinan Close, Morningside, Johannesburg, 2146

This Hotel is perfectly located 1.2 km from Sandton Convention Centre in the fashionable suburb of Sandton. Close by are world-class entertainment and shopping complexes, such as Sandton City and the vibrant Nelson Mandela Square (formerly Sandton Square), with its continental restaurants. The Village Walk, featuring cosmopolitan boutiques and specialist stores, should also be considered. The air-conditioned rooms feature modern décor, free Wi-Fi and TV with satellite channels. The en-suite bathrooms come with a bath and shower, as well as a hairdryer.



Radisson Blu Gautrain



Radisson Blu Hotel Sandton



Garden Court Morningside



The Maslow Hotel

## Hyatt Regency Hotel

191 Oxford Road, Johannesburg, 2132

Located north of Johannesburg’s city centre, in the cosmopolitan suburb of Rosebank, this deluxe 5-star hotel offers luxurious accommodation. Hyatt Regency Johannesburg features an outdoor pool, restaurants and spa facilities. This hotel with the distinctive architecture offers spacious rooms with African-inspired décor. Each of the air-conditioned rooms has a satellite TV, an iPod docking station and a work desk. The Gautrain Rosebank Station is only 100 m away from Hyatt Regency, and enables guests to reach OR Tambo International Airport in 15 minutes. The hotel is 5 km from the Sandton Convention Centre.

## The Capital 20 West

20 West Road South Sandton, 2196.

The Capital 20 West hotel is a state-of-the-art four-star rated experience situated practically in the heart of South Africa’s most vibrant Centre – a mere stone’s throw from Sandton City, Nelson Mandela Square, Gautrain Sandton Station, and 3 km from Sandton Convention Centre. Free on-site parking is available and complimentary Wi-Fi access throughout their stay. There is a restaurant in the hotel; and Sandton City Mall is situated 3 km from the hotel.

## Holiday Inn Sandton Rivonia

123 Rivonia Road, Sandton, 2148

The Holiday Inn Sandton, Rivonia Road is located in the heart of Gauteng’s corporate, financial and shopping mecca. This cosmopolitan hotel is in close proximity to OR Tambo International Airport, and 500 m away from the Sandton Gautrain station. Close to numerous attractions such as the Sandton Convention Centre, Sandton City Shopping Centre and Nelson Mandela Square, Holiday Inn Sandton- Rivonia Road provides the ultimate accommodation in Sandton for any business or leisure guest. The lobby features glittering handmade chandeliers and a 10 m long fireplace were one can relax and surf the complimentary wireless Internet available to all guests. Within the lobby is the Chairman’s bar, the perfect spot to grab a hot cup of coffee and a deliciously fresh pastry before you start your day. Indulge in a full hotel continental breakfast buffet at the Lettuce & Lime Restaurant, or enjoy a delectable meal from the a la carte menu paired with a bottle from and extensive wine list.

## Holiday Inn Johannesburg Rosebank

The Zone, 177 Oxford Road, Rosebank

The stylish Holiday Inn located in Johannesburg-Rosebank is perfectly positioned in the hub of Johannesburg’s cosmopolitan business district of Rosebank. Guest will enjoy direct, secure access to The Zone Shopping Centre, for a host of shopping and entertainment options. With the Rosebank Gautrain Station, just 30 m from our door, commuting has never been more convenient. This property is located 5.6 km from Sandton Convention Centre and guests can enjoy 200MB complimentary high speed Wi-Fi per day.

## Crowne Plaza Hotel Rosebank

Corner Sturdee Avenue & Tyrwhitt Avenue, Johannesburg, 2196

The hotel is located 5 km from the Sandton Convention Centre in the suburb of Rosebank. This stylish hotel is the perfect base for corporate travellers: Rosebank Gautrain Station and Rosebank mall shopping and restaurant are within short walking distance. The hotel is in walking distance of the Rosebank Mall and the African Craft Market that offers visiting guests a wide array of up-market shopping and dining options. The hotel’s central location makes it the ideal base to access famous Johannesburg tourist attractions such as the Apartheid Museum.

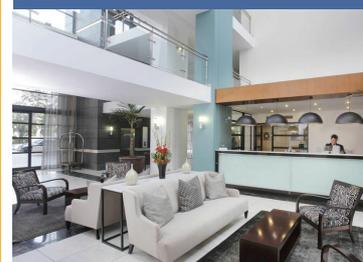
## Park Inn

118 Katherine Street, Johannesburg, 2196

This Sandton accommodation offers business friendly rooms with complimentary high-speed internet access. It is located 10 minutes’ drive (4 km) away from the Sandton Convention Centre, Sandton Gautrain Station as well as the Sandton City Mall.



Hyatt Regency Hotel



The Capital 20 West



Holiday Inn Johannesburg Rosebank



Crowne Plaza Hotel Rosebank



Park Inn

## Town Lodge Sandton Grayston Drive

117-119 Grayston Drive, Corner of Grayston Drive & Webber Road, Sandown, Sandton, 2146

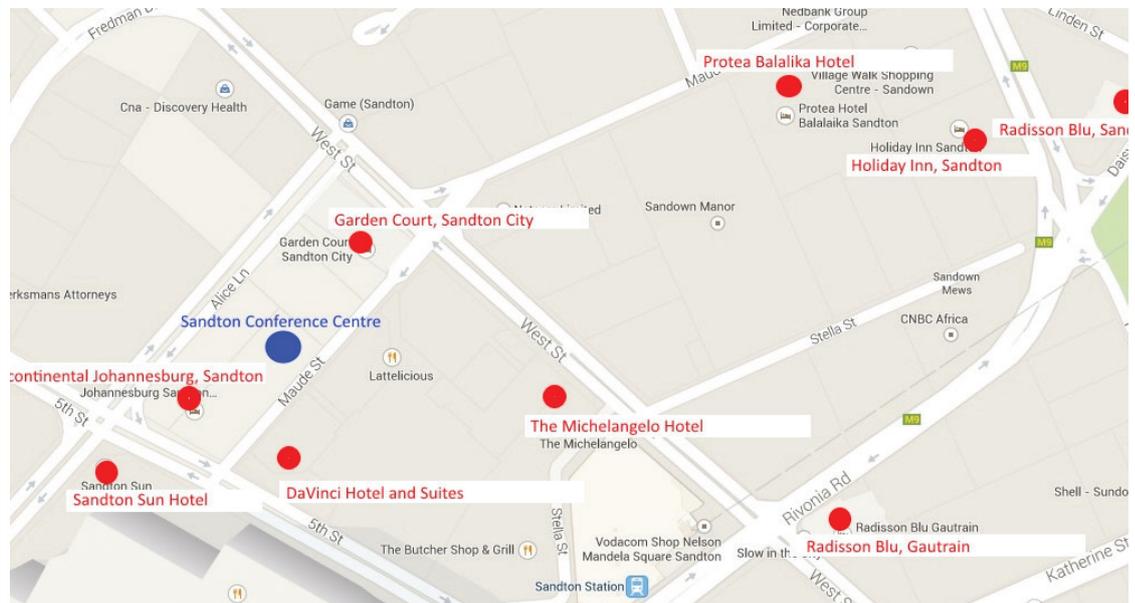
This Sandton hotel has modern rooms with patios overlooking the swimming pool that makes the hotel a relaxing spot in the hub of Sandton. It is situated 3 minutes' drive to the shopping centres of Sandton City and Village Walk and 1.8 km from Sandton Convention Centre.

## Road Lodge Hotel Rivonia

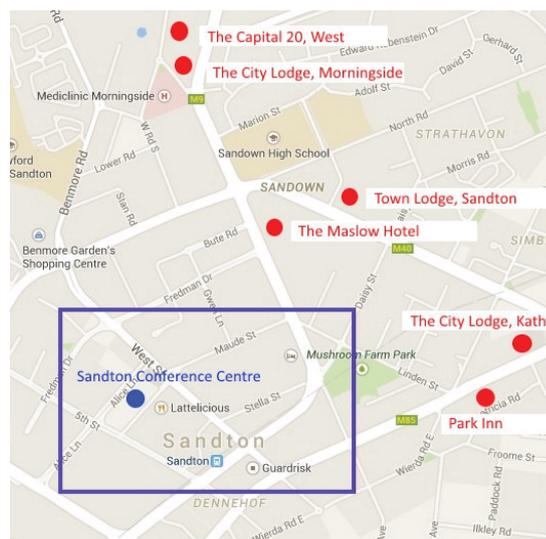
22 10th Avenue, Johannesburg

The hotel is situated in the north of the Sandton area, with easy access to the N1 highway. This is a budget hotel that is best suited for short stays and offers guests a comfortable room and good basic amenities. It is 30 km from OR Tambo International Airport and approximately 5km from Sandton City Mall and Sandton Convention Centre. It is within walking distance to Rivonia Boulevard for shops and restaurants and entertainment.

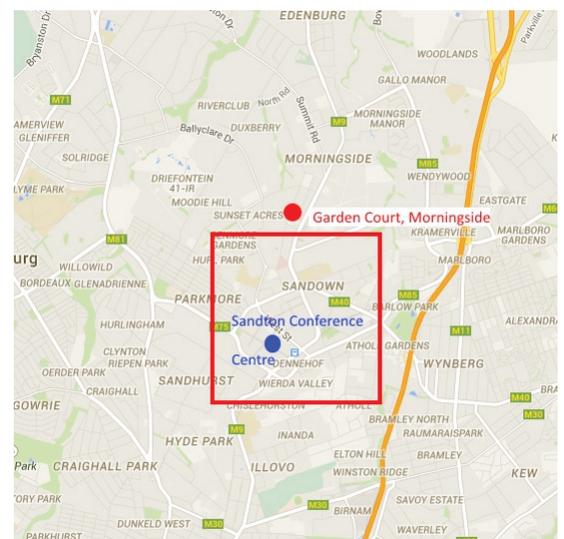
## Hotel Locations in relation to the SCC



### Hotel distance 1km or less to SCC



### Hotel distance 1km or more to SCC



### Hotel distance 5km or more to SCC

## Registration, fees and conditions

The South African Organising Committee has gone to great efforts to contain cost, but at the same time to provide an enjoyable Annual Meeting of high quality and value-for-money. In general, the Registration Fees are close to those of recent comparable ICOLD events when expressed in international currencies. **The fees for the ICOLD 2016 Annual Meeting will be in South African Rand (ZAR).** Consult a reputable source for current exchange rates in order to determine values in other currencies.

Illustrative exchange rates in October 2015 were:

**1 USD = 14.0 ZAR**

**1 Euro = 15.75 ZAR**

A special discount will be given to delegates from African countries in order to encourage attendance from the Continent and also to join ICOLD as member.

Registration Category	Registration Fee (ZAR)	
	Registration before 12 February 2016	Registration after 12 February 2016
ICOLD Member Countries	R17 900	R20 100
African Delegate: ICOLD Member Countries	R13 400	R15 100
ICOLD Non-Member Countries	R20 900	R23 100
African Delegate: ICOLD Non-Member Countries	R15 700	R17 300
Young Professionals (Age 35 and younger)	R8 900	R10 400
Symposium only	R6 000	R7 500
Workshops only	R10 800	R12 300
Accompanying Person	R7 500	R8 200
Exhibitor (Space only)	R49 200	
Exhibitor (With stand)	R52 200	
Additional Exhibitor	R11 300	

### Delegate Registration includes:

Conference Bag, Name Badge  
 Book on S A Dams  
 Welcome Reception  
 Johannesburg City Tour  
 Symposium, including Proceedings  
 Exhibition access  
 Lunches and refreshment breaks  
 Monday-Friday  
 Cultural Event  
 Technical Tour  
 Technical Workshops on Thursday and Friday  
 General Assembly on Friday  
 Farewell Dinner

### Accompanying Person Registration includes:

Accompanying Person Bag, Name Badge  
 Hospitality Centre Monday-Friday  
 Welcome Reception  
 Johannesburg City Tour  
 Technical Tour  
 Cultural Event  
 Farewell Dinner

### Symposium only Registration includes:

Conference Bag, Name Badge  
 Book on S A Dams  
 Symposium, including Proceedings  
 Exhibition access  
 Lunch and refreshment breaks on Wednesday  
 Cultural Event

### Workshop only Registration includes:

Conference Bag, Name Badge  
 Book on S A Dams  
 Exhibition access  
 Lunches and refreshment breaks Thursday and Friday  
 Technical Workshops on Thursday and Friday  
 Farewell Dinner

### Exhibitor Registration includes:

Conference Bag, Name Badge  
 Book on S A Dams  
 Welcome Reception  
 Johannesburg City Tour  
 Symposium, including Proceedings  
 Exhibition access  
 Lunches and refreshment breaks  
 Monday-Friday  
 Cultural Event  
 Technical Workshops on Thursday and Friday  
 Farewell Dinner



## To Register:

Please go to  
[www.icold2016.org](http://www.icold2016.org)  
and register online

### Methods of Payment:

Payment for registration, hotels and tours will be accepted by credit card, international or domestic electronic transfer of payment. Prepayment is required and is to be free of bank charges.

### Cancellation and Refund Policy:

Registration cancellation requests must be received by **1 April 2016**. No refunds will be given after this date, but substitutions are acceptable. All registration cancellations and substitutions are subject to a ZAR 500 service fee. All cancellation requests must be submitted in writing to the ICOLD 2016 Registration Services by e-mail at [info@icold2016.org](mailto:info@icold2016.org). Telephone cancellations will not be accepted.

### Accommodation: Terms and Conditions:

- Until 60 Days prior (**15 March 2016**) to the first scheduled arrival date (**14 May 2016**), the whole, or part thereof, of the entire reservation may be cancelled without a cancellation fee being charged.
- The full payment must be made for accommodation and proof of payment sent to the Conference Secretariat by **8 March 2016** in order to secure the reservation.
- Bookings made after the "Hotel Release Date" **15 March 2016** shall be subject to availability and full payment at the time of booking.
- If EFT payments are being processed – funds need to reflect in the conference bank account prior to arrival date.
- Late arrival or early departure will be subject to a 100% cancellation fee- no refund of any of the unused accommodation.

### Accommodation Cancellation Policy:

- Paid for reservations may be allocated different guest names (Name change) without incurring penalties no less than 24 hours prior to arrival. Such changes will be facilitated on-line or telephonically with the Conference Secretariat.
- Reservations cancelled after 60 days prior to arrival will be liable to 100% cancellation fee if there is no name change.

### Accommodation No-Show Policy:

- A no-show is the non-arrival of a guest and will be liable for a 100% cancellation fee.

### Accommodation: Shortened Stay:

- Once checked-In, any guest wishing to shorten their stay, i.e. depart prior to their intended departure date or arrive after their intended arrival date will be liable for a 100% cancellation fee.

### To Register:

Please go to [www.icold2016.org](http://www.icold2016.org)  
and register online

## General Information

### Meeting desk at OR Tambo International Airport, Johannesburg

An ICOLD 2016 Meeting Desk will be provided in the International Arrivals Hall of the OR Tambo International Airport to welcome you to South Africa. The desk will provide advice and assistance regarding transfers to your hotel. Flight information is requested in the registration process.

### Transfer from OR Tambo International Airport to Hotels

A shuttle service will be provided at an additional cost to and from OR Tambo International Airport to official meeting hotels. Refer to further detail on the "Transportation" page of the website.

Please refer to the website for other General Information.

[www.icold2016.org](http://www.icold2016.org)

[E-mail info@icold2016.org](mailto:info@icold2016.org)