



SANCOLD

SANCOLD News

Newsletter of the South African National Committee on Large Dams

www.sancold.org.za

March 2021

SANCOLD Elections 2020.

Elections were held for two places on the SANCOLD Management Committee in 2020 to serve for the next three years. One place for a candidate of under 35 years old and another open to any candidate. We received two nominations from each group. The number of ballot papers received was disappointingly low - only 27 from our membership.

Nevertheless, we would like to congratulate Robert Greyling and Janice Zhang (u35) on their election to our Management Committee (Manco). Janice is elected for a first time while Robert was re-elected. Thanks to all the candidates who stood for election.



Robert Greyling - SANCOLD Vice-Chair



Janice Zhang - new MC member

SANCOLD Conference 2021

SANCOLD will be holding their Annual Conference in Gauteng during October 2021 with the theme **“Resilient Dams in a Challenging Environment”**, and sub-themes covering a wide field. A full programme in addition to the SANCOLD AGM, YPF function, Gala Conference Dinner and study tour is planned. This promises to be a bumper event to make up for last year’s cancelled conference. Please start considering your concepts for technical papers.

New Appointments on Manco.

At the 133rd Manco meeting on 16 February, Robert Greyling (see adjacent photo) was appointed Vice-Chairperson of SANCOLD. At the same meeting, Louiza van Vuuren was elected Chairperson of the YPF. Our congratulations to you both.



Louiza van Vuuren - YPF Chair

Members co-opted to Manco for one year at the same meeting were Gerald de Jager, Duncan Grant-Stuart, Wally Ramokopa and Danie Badenhorst.

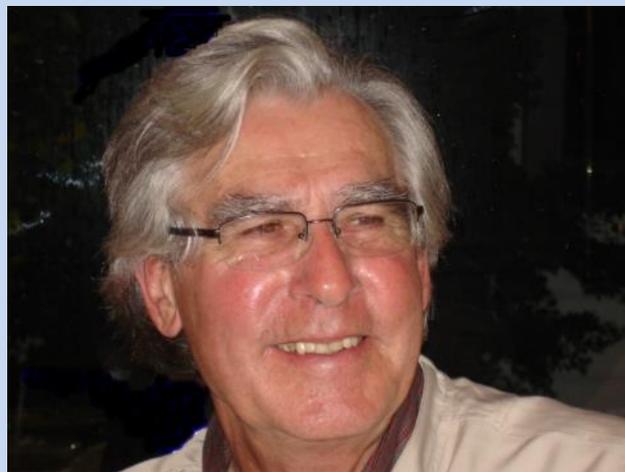
SAICE has nominated Segomotso Kelefetswe of TCTA as their representative on Manco while Marco van Dijk of the University of Pretoria is the alternate. Marco also represents Universities South Africa (USAf) on Manco.



Marco van Dijk - USAf rep

We look forward to their meaningful participation in guiding SANCOLD forward.

Obituary Theo van Robbroeck



It is with great regret that SANCOLD records the passing on 17 January 2021 of TPC (Theo) van Robbroeck some 10 days after the passing of his wife Irma, both Covid-19 related. He featured prominently in water resource development in Southern Africa driving the development of the Tugela-Vaal/Drakensberg water transfer/pumped storage scheme and the Lesotho Highlands Water Project amongst others before becoming Director General of the Department of Public Works. Theo was intimately linked with SANCOLD from its earliest days serving in various positions and also served as ICOLD Vice President then as President for 1994-97. We experience the loss of one of South Africa's giants in Water Resource Development. Our condolences are extended to his family on their great loss. (See the SANCOLD website for an expanded obituary.)

SANCOLD Scholarship 2021

SANCOLD is proud to announce that the 2021 Scholarship will be shared by two of the deserving applicants who will receive R50 000 each to supplement their studies in 2021.

There were 8 applicants from 3 universities vying for the Scholarship and the wide scope and level of research proposals was high making adjudication difficult.

The awards went to Jack Basson from UP with his MSc research proposal on “Investigating the Trend of Matric Suctions and Water Contents in a Tailing Dam”.



Jack Basson

And previous awardee Udhav Maharaj, who has since received his MSc from UKZN, for his PhD research proposal “Updating the SCS-SA Model and Assessing the Uncertainty of Flood Estimates in South Africa”.



Udhav Maharaj

SANCOLD YPF Training events.

The SANCOLD YPF intends continuing with their online webinars this year. We look forward to

their programme of events but be on the lookout for the first event happening soon .

The webinars are not limited to YPF members but open to all SANCOLD Members. Details will be circulated but the YPF requests that members register by RSVP before events with name and membership number to ypf@sancold.org.za .

Postponement ICOLD 2021 Marseilles

The 89th ICOLD Annual Meeting & 27th Congress in Marseilles, France originally scheduled to be held in June 2021, has been postponed to 12-19 November 2021 due to the COVID-19 pandemic.

Besides the normal four Questions, themes for Congress papers, there will also be a Symposium “Sharing Water: Multi purposes of reservoirs and innovations”.

For full details please see <https://cigb-icold2021.fr/en/>

This will impact the planning of SANCOLD 2021 as these dates overlap the window under consideration for our Conference.

New ICOLD Publications

New procedures have been introduced for downloading new Bulletins from the ICOLD website after login as set out in Circular 1954. If experiencing problems, please contact the SANCOLD Secretary at secretary@sancold.org.za for updated downloading details.

Bulletin 163 - Dams for Hydroelectric Energy

The Bulletin is intended as a general document aimed at a wide technical audience involved with or affected by hydropower. Basic background data and some statistics are presented, with specific reference to hydro-electricity production, hydropower dams, hydropower plants, in operation or under construction. Key aspects of hydropower are discussed. Data are presented about typical capital and both internal and external operating costs. Environmental and social impacts are discussed and reference is

made to the impact reservoirs have on greenhouse gas emissions. A section is dedicated to the exploitation of tidal energy by means of barrage systems. The current extent of hydropower development and the influence of policies aimed to favour the development of renewable energies are also discussed. Reference sources of information, on hydropower in general and interesting case-histories, are provided.

Bulletin 177 - Roller Compacted Concrete Dams

ICOLD Bulletin 177 'Roller-Compacted Concrete Dams' presents the state-of-the-art on roller-compacted concrete technology for dams, incorporating the advances of the RCC technology for dams over the last 15 years since the previous Bulletin on the topic was released in 2003. Hence, the present ICOLD Bulletin 177 supersedes ICOLD Bulletin 126 ('Roller-compacted concrete dams - State of the art and case histories', published in 2003) and ICOLD Bulletin 75 ('Roller-Compacted Concrete for Gravity Dams' published in 1989). While roller-compacted concrete technology could have still been considered a new technology in 2003, it is now true to say that construction by roller-compaction has become the standard approach for large concrete gravity dams.

This Bulletin addresses all aspects of the planning, design, construction and performance of RCC in dams. Mixture proportioning and quality control are discussed and a comprehensive listing of references is included. Many aspects of RCC in dams have become better understood since the publication of Bulletin N° 126 and the present Bulletin contains less information on the particular approaches applied in different countries, but includes more comprehensive information particularly in relation to design, mixture proportioning and construction. With greater understanding, it has further been possible to highlight more definitively the requirements of successful RCC dams, as well as the pitfalls and difficulties that can be associated with RCC dam design and construction.



Corporate Member contact person

The objective of a SANCOLD Corporate member contact person is to maintain contact with that company and for the representative to be able to pass on any technical information to the technical members of that company who might be interested in the affairs of SANCOLD/ICOLD. It is very important that the technical contact person of the firm is registered on the SANCOLD data base and that details of this contact person are kept up to date. The representative is the also the voting member for the Corporate Member for elections and other voting issues. Please keep the Secretary informed of any changes to the membership database.

And as always

URGENT: Updating Membership

Please inform the SANCOLD Secretary of changes in your e-mail address or other contact details. Please note also that SANCOLD is updating it's membership lists and will be deleting members with outstanding membership fees in terms of Cl 6.8 of our Constitution. If in doubt, please contact the Secretary urgently.

E-mail: secretary@sancold.org.za