



SOUTH AFRICAN
COUNCIL FOR AUTOMATION
AND CONTROL

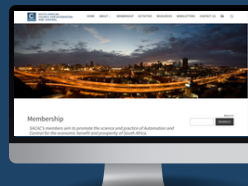


BACKGROUND

SACAC is the South African Council for Automation and Control – a non-profit organisation established in 1961. The main function of SACAC is to promote the science and practice of automation and control for the benefit and economic prosperity of the people of South Africa. To achieve this broad aim, SACAC is involved in acquiring and disseminating information on automation and control by:

- Organising and participating in National and International Conferences, Symposia and Workshops on topics which are relevant to members.
- Maintaining a formal association with IFAC (International Federation of Automatic Control) and other selected international organisations whose purposes are similar to those of IFAC.
- Facilitating contact amongst researchers, practitioners, users and suppliers of automation technology.
- Establishing contact with relevant national and international organisations

www.sacac.org.za



SACAC members are organisations, e.g., universities, engineering societies, corporate bodies or companies interested in research, development, and applications of automation technology.

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WHAT WE OFFER MEMBERS

Professional Development

SACAC members benefit from discounted access to CPD-accredited events, including conferences, symposia, and workshops. These cover both advanced and practical topics—such as observer design, process control software, energy optimisation, and postgraduate-focused initiatives—supporting continuous learning and professional growth in the automation and control sector.

Conference Participation

Members are encouraged to take part in SACAC-hosted and affiliated events, including the annual Control Systems Day and IFAC-linked forums. These platforms offer opportunities to:

- Share and showcase research or industry work
- Stay current on emerging trends and technologies
- Access sponsorship and exclusive event packages
- Connect with experts, peers, and global thought leaders

Networking Opportunities

SACAC connects a vibrant and diverse community of engineers, academics, students, and industry practitioners. Membership opens doors to meaningful engagement, mentorship, and collaboration through both formal and informal networking events.

Marketing Your Organisation

Organisational members enjoy enhanced visibility through SACAC's website, newsletters, AGMs, and international forums. They may also be featured through IFAC's global social media platforms and technical committees, broadening their reach across the automation and control landscape.

Community Engagement

Members stay informed through SACAC's bi-annual newsletter and have opportunities to attend and contribute to key national and international events. SACAC also encourages active involvement in its governance structures and national control-related initiatives.

Explore more at sacac.org.za/events.

The South African Council for Automation and Control



CONTACT US



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2024 HIGHLIGHTS: DEMONSTRATING OUR IMPACT

- Control Conference Africa (CCA) 2024:** Held at The Ravenala Attitude Hotel in Mauritius, this conference promoted the exchange of ideas and developments in control engineering across Africa. It featured topics such as automotive systems, aerospace systems, robotic systems, and more.
Date: 16–17 September 2024
- Control Systems Day 2024:** SACAC hosted a student symposium at the University of Pretoria and the University of Cape Town, providing postgraduate students the opportunity to showcase their research in control engineering and related fields.
Date: 15 November 2024
- Cyathlon 2024** – South Africa Hub: SACAC supported the South African hub of Cyathlon 2024, an international competition that challenges teams to develop assistive technologies for people with disabilities.
Date: 25–27 October 2024 | Location : Kloten, Switzerland
- Girls in Control Workshops :** Encourage and equip young girls to explore STEM, particularly control and automation, through interactive sessions and mentoring.
Date: 25 April 2024 | Location : University of Zululand, Richards Bay
Date: 31 July 2024 | Location : UNIZULU Science Center, Richards Bay
Date: 15 August 2024 | Location : SCI-ENZA Science Centre, Pretoria

SACAC Guest Lectures

- How successful were we? Conducting a post–project audit.**
1 March 2024 | Presenter: Kevin Brooks (APC Smart)
- (Machine) Learning Cheetah Locomotion**
5 April 2024 | Presenter: Amir Patel (University of Cape Town)
- Online Analysers in Mineral Processing**
3 May 2024 | Presenter: Michael Halhead (Stone Three)
- Advanced Process Controllers in Mineral Processing**
7 June 2024 | Presenter: Prof. Ian K. Craig (University of Pretoria)
- Innovations from BlueNickel**
2 August 2024 | Presenter: Theo van Schalkwyk (Blue Nickel Solutions)
- Analytical Technologies in Automation**
6 September 2024 | Presenter: Gustaf Gous (Analyte)
- Computer Vision in Froth & Pulp Analytics**
4 October 2024 | Presenters: Bernard Coetzee & Lidia Auret (Stone Three)
- Representation–Based Learning for Control Systems**
8 October 2024 | Presenter: Prof. Na Li (Harvard University)
- LLMs in Industrial Decision Support**
1 November 2024 | Presenter: Andre Shiguelo Yamashita (Luleå University of Technology)

SACAC Workshops

- Exploratory Data Analysis for Industrial Processes**
Date: 25 March 2024 | Presenters: Prof. Tobi Louw & Lidia Auret
- Model Design & Deployment for Quality Products**
Date: 26 July 2024 | Presenter: Opti-Num Solutions

2025 EVENTS AND INITIATIVES

February

- SACAC Annual General Meeting (AGM)**
Date: 14 February 2025

March

- Guest Lecture : How Does a Gas–Cooled Nuclear Reactor Work and How Do We Control it?**
14 March 2025 | Presenter: Chris Niewoudt (Ultra Safe Nuclear Corporation)
- Girls in Control Workshop**
19 March 2025 | Location: UniZulu Science Center

April

- Guest Lecture : The Subtle Art of Mismatch: Data, Multi–Fidelity, Models, Latent Spaces, Objectives and Proxies**
04 April 2025 | Presenter: Prof. Nico Wilke (University of the Witwatersrand)

May

- Guest Lecture : Industrial Automation Engineering in Water Infrastructure Asset Management**
Date: 09 May 2025 | Presenter: Pascal Motsoasele (Rand Water)
- Joint Webinar (SAIMM + SACAC) : Computer Vision for Safety**
Presenter: Doron Joffe | Facilitator: Jason Miskin
Date: 21 May 2025
- Workshop : Exploratory Data Analysis For Industrial Processes**
Date: 23 May 2025 | Presenters: Tobi Louw & Lidia Auret

June

- Guest Lecture : Bridging the Gap: Myths, Misconceptions, and the Untapped Power of Academia–Industry Collaboration**
Date: 06 June 2025 | Presenter: Charis Harley (University of Johannesburg)
- The 14th IFAC Symposium on Dynamics and Control of Process Systems, including Biosystems (DYCOPS 2025)**
Date: 16–17 June 2025 | Location: Bratislava, Slovakia

July

- SAIEE Joint Workshop**
Date: 14 July 2025

August

- Workshop : Model–Based Control: A Practical Approach**
Date: 4–5 Aug 2025 | Location: University of Pretoria
- Workshop : Model–Based Control: A Practical Approach**
Date: 7–8 Aug 2025 | Location: Stellenbosch University

September

- IFAC Lecture**
Date: 11 September 2025

October

- MMM Conference : SACAC engagement through IFAC TC 6.2 (Mining, Mineral & Metal Processing)**
Date: 22–24 October 2025

November

- Control Systems Day : SACAC’s flagship event featuring postgraduate research and the latest in control system trends.**
Date: 14 November 2025

OUR MEMBERS

Industrial Members

- Analyte
- Anglo American
- APC Smart
- Blue Nickel
- Draslovka
- Horne Technologies
- Mintek
- Optinum Solutions
- Rand Water
- Scibotron
- Sibanye
- Stone Three
- Valterra Platinum
- Yokogawa
- Zutari

Institutional Members

- Cape Peninsula University of Technology
- North–West University
- Stellenbosch University
- University of Pretoria
- University of Cape Town
- University of the Witwatersrand
- University Zululand
- University Johannesburg

MEMBERSHIP FEES

Membership is on an organisational level and we do not have individual members.

Membership fees are:

• **Institutional: R4 610**
(Alternate fee: R9 660)

• **Corporate: R7 760**
(Alternate fee: R17 850)

• **Micro Business: R 4 390**

For more information visit the SACAC website

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