



SOUTH AFRICAN  
COUNCIL FOR AUTOMATION  
AND CONTROL

# NEWSLETTER

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## PRESIDENTS ADDRESS

Dear member of the South African Council of Automation and Control

It is my privilege as the president of the council to highlight some of the great work that the council is engaged in to further the field of automation and control in South Africa, but also Africa as a continent.

In March the council hosted its annual general meeting where the new executive committee was voted for and appointed. For the 2024 year, the following members were voted onto the executive committee:

- President: Loutjie Coetzee (DRASLOVKA)
- Vice President: Tobi Louw (Stellenbosch University)
- Honorary Treasurer: Laurentz Olivier (Analyte)
- EXCO from Academia:
  - Arnold Pretorius (University of Cape Town)
  - Syamala Krishnannair (University of Zululand)
  - Johan Venter (University of Johannesburg)
  - Antony Higginson (University of the Witwatersrand)
- EXCO from Industry
  - William Shipman (MINTEK)
  - Pascal Motsoasele (Rand Water)
  - Jason Miskin (Opti-Num Solutions)
  - Lidia Auret (Stone Three)
- Past Presidents
  - Ian Craig (University of Pretoria)
  - Kevin Brooks (APC Smart)
  - John Burchell (Sibanye Stillwater)
- Co-opted EXCO members
  - Heinz Mittermaier (MINTEK)
  - Callen Fisher (Stellenbosch University)
  - Derik le Roux (University of Pretoria)

During this AGM, we thanked Prof. Derik le Roux for his service as honorary treasurer for the last 9 years. He will continue to serve as advisor to the incoming honorary treasurer.

During the AGM, the budget for 2024 was approved that made provision for updates to the membership fees, as well as expenses related to council activities, such as workshops, conferences, guested lectures and events. The treasurer also noted that the council is in good financial health, with net assets worth R3.5 million as at the end of 2023.

The table below shows the accepted membership fees for 2024. This is an increase of approximately 8% from 2023:

	2024		2023		2022	
	Normal	Alternate	Normal	Alternate	Normal	Alternate
Corporate	R6 900	R15 900	R6 400	R14 800	R5 900	R13 700
Institution	R4 100	R8 600	R3 800	R8 000	R3 500	R7 350

The alternate membership fee option allows a maximum of 3 delegates to be sent to all local SACAC workshops free of charge, reducing the administrative burden of arranging payment for each workshop attended.

For all the details on the AGM and the detailed financials and budget for 2024, please refer to the AGM minutes that was published.

For 2024, the council hit the ground running with a number of activities that are highlighted in this newsletter. Some of the highlights that we are looking forward to during the second half of this year is the Control Conference Africa that will be held in Mauritius in September. This is an IFAC co-sponsored event, which means IFAC has assisted in providing reviewers and editors to the international program committee to help review papers for this conference. The papers will also be published in IFAC Papers Online as diamond open access. This is a triennial event that aims to bring academics and practitioners in the field of automation and control across the African continent together to share idea and network and in so doing promote the discipline in the continent.

The council is also planning in person events that will allow our members to connect and build their professional networks.

There is also monthly guest lecturers that cover practitioners sharing their experience for post graduate students, but is open to all our members to benefit from the insightful topics that are being discussed and experience shared.

On our outreach side, Prof. Syamala Krishnannair is arranging girls in control workshops to expose primary school girls to the field of control in order to stimulate interest in the fields of science, technology, engineering and math (STEM). The last two workshops have been hugely successful and the council recently received financial support from the IFAC Activity Fund to expand this initiative across South Africa.

We are continuously looking how we as a council can collaborate with related organisations. We recently supported the Robotics Association of South Africa's application to the IFAC Activity Fund for financial support of the South African leg of the Cybathlon. The CYBATHLON is a non-profit project of ETH Zurich, which acts as a platform that challenges teams from all over the world to develop assistive technologies suitable for everyday use with and for people with disabilities.

The council also co-hosted a webinar with the South African Institute of Mining and Metallurgy (SAIMM) on an introduction to Supervised Learning in the MMM Industry by Dr. Kevin Brooks.

Please follow our LinkedIn page or consult our calendar on the website to stay abreast of the council activities.

**Loutjie Coetzee**  
**SACAC President**



# SACAC ACTIVITIES

## UPCOMING EVENTS 2024

**07/09** IFAC Distinguished Lecturer  
**OCT** [More Information](#)

Presented by  
**Prof Na Li**



Prof Li is the Winokur Family Professor of Electrical Engineering and Applied Mathematics in the School of Engineering and Applied Sciences (SEAS) at Harvard University, a research affiliate in Laboratory for Information and Decision Systems (LIDS) at MIT, as well as the co-founder and scientific advisor for Singularity Energy, Inc. Her research focuses on control, learning and optimisation of networked systems, with application in energy, buildings, robotics, biomedical systems, and more.

During her visit, Prof Li will deliver public guest lectures at the University of Pretoria as well as Stellenbosch University (exact dates to be confirmed). She will also make use of the opportunity to engage with the university students, as well as high school learners during the Girls in Control workshop taking place in Cape Town on the 10th of October.



**02**  
**AUG**

“How AI is transforming the workplace for metallurgists, process- and control engineers.”

**Theo van Schalkwyk**  
Blue Nickel Solutions

**16**  
**SEPT** Control Conference Africa (CCA) 2024.

Hosted at :  
The Ravenala Attitude Hotel,  
Turtle Bay, Balaclava,  
Mauritius



*For more information, please contact the Secretariat.*

[CLICK FOR MORE  
INFORMATION](#)

[CONTACT THE SACAC  
SECRETARIAT](#)



# CONTROL CONFERENCE AFRICA 2024

16 – 17 SEPTEMBER 2024, THE RAVENALA ATTITUDE HOTEL, TURTLE BAY, BALACLAVA, MAURITIUS

**SACAC is looking forward to hosting the 3rd Control Conference Africa. The aim of the conference is to promote the exchange of ideas and developments in control engineering in Africa. All control engineers active in industry or academia are welcome, in particular those from African countries or any who wish to contribute to the discussion of control in Africa.**

## **The conference plenary talks include:**

·Marija Ilic

Adjunct Professor in Electrical Engineering and Computer Science, Senior Research Scientist at the Laboratory for Information and Decision Systems, MIT

“The key role of control of changing electric energy systems in supporting reliable and cost-effective decarbonization: Huge challenge and opportunity to innovations of complex dynamical systems.”

·Edo Abraham

Associate Professor of Water & Control Systems, TU Delft

“Model Predictive Control of Water Systems: modelling to control under uncertainty.”

·Lars Grüne

Professor for Applied Mathematics, University of Bayreuth

“Optimization-based control for large-scale or complex systems: When and why does it work?”

·Martin Guay

Professor of Chemical Engineering, Queen’s University

“Data-driven control of unknown nonlinear systems using extremum seeking.”

## **CCA2024 covers all aspects of control research. Examples include:**

- Automotive systems
- Aerospace systems
- Robotic systems
- Modelling and system identification
- Process control
- Novel control theory and techniques
- Control engineering education
- Two post-conference workshops will be hosted on the 18th of September: Robotics for InterAction Technology organized by Giovanni Berselli (University of Genoa) and Antonio Bicchi (University of Pisa), as well as Applied Machine Vision for Robotic Applications organized by Callen Fisher (Stellenbosch University).

The deadline for early bird registration is 1st of July 2024

Please visit [cca2024.org](https://cca2024.org) or email [info@cca2024.org](mailto:info@cca2024.org) for more details.

## GIRLS IN CONTROL WORKSHOPS

Following on previous successes, Prof Syamala Krishnannair coordinated two “Girls in Control” workshops over the past year. The 3rd ‘Girls in Control’ workshop took place at Ntshidi Primary on 23 October 2023 with 79 girls attending, while the 4th workshop took place at the UNIZULU Science Centre on 25 April 2024 and was attended by 30 girls from Nenteneshane Primary School.



The Girls in Control workshops play a crucial role in promoting STEM (Science, Technology, Engineering, and Mathematics) education, including control engineering. The first session of the workshop introduced the fundamentals of a feedback loop in isiZulu and demonstrated its application in real-life control problems. The material covering control theoretic principles with practical examples was initially developed by the International Federation of Automatic Control which was translated into isiZulu to provide the girls with more insight into the exciting career opportunities in Control Engineering and related STEM fields, which many girls were not familiar with. The 4th workshop included a science tour at the UNIZULU Science Center, and was also attended by Mrs Sethabile Madolo (Principal Operating Model in the Technical Function at Anglo American), who gave an online motivational talk for a career in engineering. Mrs. Madolo highlighted the importance of STEM education in general and possible career choices in related disciplines in her talk.

Both workshops were rounded off by a session focused on coding using SCRATCH and hands-on activities in Robotics, which gave the girls a taste of what control engineering entails. The Robotics and SCRATCH coding workshops introduced programming skills as well as analytical, critical thinking, and problem-solving skills that are needed in STEM fields. Group activities encouraged teamwork and collaboration, essential qualities in STEM professions. The workshop was a great success and there are plans to repeat it in the future for other schools in the Zululand region. The workshops were made possible by: Prof Syamala Krishnannair (coordinator and organiser), Mrs Diloshini Thambran and Dr Derek Fish (coordinators at UNIZULU Science Center), the sponsors (SACAC and I Learn to Live (NGO)), Unizulu Communication and Marketing Division (CMD) and the postgraduate students at the Department of Mathematical Sciences (Mr Siyabonga Msweli and Ms Sinenhlanhla Nxumalo).



**Empowering Girls in STEM: 'Girls in Control' Workshop**

# EXPLORATORY DATA ANALYSIS WORKSHOP



Tobi is an Associate Professor at the Department of Chemical Engineering at Stellenbosch University. Lidia holds an extraordinary associate professorship at the department alongside her full-time role as Senior Process Data Scientist at Stone Three. Workshop content (incl. presentation slides and code) is publicly available at <https://github.com/tmlouw/SACAC-EDA-2024>.

## PRESENTERS

**Prof Tobi Louw and Lidia Auret**

On March 25, SACAC hosted a workshop as part of our ongoing series of hands-on events. The Exploratory Data Analysis (EDA) workshop, presented by Tobi Louw and Lidia Auret, focused on the initial stages of data analysis for industrial processes, as well as the practicalities of working with industrial data. Topics included the nature of process datasets, working with time series data, dimensionality reduction and visualization, as well as clustering and model interpretation using tree-based methods.

The workshop drew postgraduate students and professionals from various industries. Participants expressed appreciation for the workshop's practical relevance, the well-structured format and the valuable insights shared by the presenters. One specifically mentioned that the workshop made complex concepts easy to understand and provided useful resources for further learning.

The success of this workshop highlights SACAC's dedication to sharing knowledge and skills with industry professionals. Such events help bridge the gap between academic research and real-world applications, empowering professionals to make better use of data for improving industrial processes.



## GUEST LECTURE SERIES

SACAC is proud to continue with our Guest Lecture series. The series, which is presented online on a monthly basis, explores various aspects of process automation and control. The series provides an opportunity for students and industry practitioners alike to benefit from leading local experts in the field. Recent guest lectures included:



### IAN GEBBIE

October 2023

Ian Gebbie (Senior VP ECI Engineering, DRA global) discussed “The Connected Mine”, during which he described trends in mining automation and control, including data integration, cyber security, and more.

### BENJAMIN ROSMAN

November 2023

In his lecture titled “Learning to make decisions in an uncertain world”, Benjamin Rosman (University of Witwatersrand) introduced the general idea of reinforcement learning and highlighted recent developments in the field.



### KEVIN BROOKS

March 2024

Estimating project benefits post-implementation is an important aspect of the project lifecycle. Kevin Brooks (University of Witwatersrand, APC Smart) discussed the calculation of plant performance before and after the implementation of a control solution, and the complications of benefit analysis, in his lecture “How successful were we? Conducting a post-project audit.”



## GUEST LECTURE SERIES



### AMIR PATEL

April 2024

Amir Patel (University of Cape Town, African Robotics Unit) shared his interests in animal agility during his presentation “(Machine) Learning Cheetah Locomotion”. This fascinating lecture provided insight into the joys, and challenges, of understanding cheetah mobility through a combination of techniques including computer vision and deep learning, physical robots, trajectory optimisation, and more.

### MICHAEL HALHEAD

May 2024

“The Need and History of Online Analysers within Minerals Processing” presented by Michael Halhead (Wild Systems), discussed the role, evolution, and opportunities presented by online measurements, with a particular focus on platinum group metals production.



### IAN CRAIG

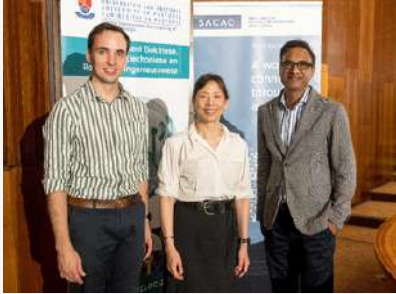
June 2024



Establishing and maintaining Advanced Process Controllers on minerals processing plants was the topic of Ian Craig’s recent guest lecture. He discussed the assessment of APC on an actual minerals processing plant, and provided an overview of state-of-the-art and emerging technologies in the field.

**Past Event Photos**

Did you get snapped at our last event? Check out the photos below and also our social media to see if you were snapped!



**The Power of Wind - the first IFAC Distinguished Lecture in South Africa Submitted by Derik le Roux and Tobi Louw.**



In November of 2023, Prof Lucy Pao from the University of Colorado Boulder (CU Boulder) became the first IFAC Distinguished Lecturer to visit South Africa. She presented two excellent talks on the challenges and opportunities to enable a clean energy future using efficient wind energy systems.

Her first talk was hosted by Derik le Roux at the University of Pretoria (UP), and the second by Tobi Louw at Stellenbosch University (SU). The talks were attended by a wide audience - including members from industry, faculty, and students - who had the opportunity to engage with Prof Pao for questions and answers after each talk. She was supported by her family who accompanied her.

The United Nations includes “Affordable and Clean Energy” as one of the 17 sustainable development goals to achieve by 2030. The use of wind energy is especially relevant to ensure countries can transition towards a renewable and zero-emission energy mix. In her talk, Prof Pao highlighted the opportunity within South Africa for the use of wind energy to provide efficient and reliable power. As one of the fastest growing sources of clean energy, commercial wind turbines which can provide up to 15 MW of power are already available. These wind turbines use blades which are easily more than 100 m long and their construction can become very expensive. Prof Pao and her research group investigate how to reduce the cost of the blades without compromising the efficiency and power generation capacity of the turbines.

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As part of the visit, Prof Pao also participated in two social events to celebrate women in engineering. The events were held at UP and SU respectively. She shared some of her experiences travelling the globe as a female engineer and academic, and encouraged lecturers to motivate students, especially young female students, to take risks and trust their own abilities. Once a student experiences the sense of accomplishment solving a complex problem using new tools and methods, it is often the fuel they require to reach new heights in their engineering careers.

The South African Council for Automation and Control (SACAC) provided support for the talks by Prof Pao. On behalf of SACAC, we would like to thank her and her family for travelling to South Africa, for her excellent talks, and for her generous interaction with everyone she met. It was an honour.



# IFAC NEWS

## Control for Societal-Scale Challenges: Road Map 2030

Now Available:

**Control for Societal-Scale Challenges: Road Map 2030**

Edited by: Anuradha M. Annaswamy | Karl H. Johansson |

George J. Pappas

Published by:

IEEE Control Systems Society

May 2023

Sponsors:

IEEE Control Systems Society

International Federation of Automatic  
Control (IFAC)

National Science Foundation (NSF)

Digital Futures

**VIEW** 



## DISCRETE EVENT SYSTEMS - 17TH WODES 2024

29th April - 1st May 2024

[More Information](#)

The 17th Workshop on Discrete Event Systems (WODES'24) aims at providing researchers from different fields (control theoreticians and control engineers, software engineers and computer scientists, and operations research specialists) with an opportunity to exchange information and new ideas and discuss new developments in the field of DES theory and applications.

The conference is a forum for presenting excellent results and new challenges facing the field of the reliability and availability of Control, Automation and Diagnosis. It brings together experts from industry, governments and academia, experienced in engineering, design and research. This conference will provide a remarkable opportunity for the academic and industrial communities to address new challenges, share solutions and discuss future research directions. The technical program will include plenary lectures, regular technical sessions, and special sessions.

04-07 June 2024

[More Information](#)

## International Conference on Control, Automation and Diagnosis - 8th ICCAD 2024



## 7TH IFAC CONFERENCE ON ANALYSIS AND CONTROL OF NONLINEAR DYNAMICS AND CHAOS

05 - 07 June 2024

[More Information](#)

The conference is the seventh IFAC meeting related to analysis and control of chaotic systems. The 2024 edition aims at expanding the scope of the conference to not only include contributions in the traditional IFAC CHAOS area but also those contributions regarding complexity, complex systems and nonlinear dynamics which have a strong mathematical and physical flavour. The conference will collect the most prominent and timely contributions in the interdisciplinary field of chaos, nonlinear dynamics control and synchronization, including the complex networks scenario.



# IFAC NEWS

## IFAC Conference on Technology, Culture and International Stability – 22nd TECIS 2024



Aims to bring together researchers and practitioners from industry and academia to give an overview of the state of the art, to present new research results and to exchange ideas and experiences in the field of technology, culture and international stability.

Currently and during the recent years social international and national systems of control have been shown to be inadequate and prone to be fundamental and most basic unstable. Many basic assumptions are no longer certain and are definitely questioned. This event will systematically examine these topics. Another goal of the TECIS2024 conference is to propose new approaches in dealing with globalization effects, as studying complexity and knowledge management.



## 3RD IFAC WORKSHOP ON INTEGRATED ASSESSMENT MODELING FOR ENVIRONMENTAL SYSTEMS

29 - 30 May 2024

[More Information](#)

IAMES2024 is the third workshop focused on environmental modelling and integrated impact assessment that will be organized at the Savona Campus of the University of Genova. These topics generally involve scientists from different disciplines, enterprises, policy makers, and other stakeholders for monitoring, management, and planning of environmental systems, and it finds application in multiple domains (risk management, pollution, social and life sciences, economics, power and energy, circular economy, ...) in an integrated way.

Leading international event uniting experts from academia and industry to foster collaboration and network building. High-level speakers cover topics like fault diagnosis, safety monitoring, and emerging research. It offers a platform for young scientists to showcase their work to international experts. The symposium focuses on critical areas like Fault Diagnosis, Fault Detection, and Fault-Tolerant Control, spanning various disciplines. SAFEPROCESS 2024 emphasizes energy, cybersecurity, water systems, and autonomous vehicles. The event includes sessions, lectures, tutorials, and discussions, promoting innovation in these fields.

04-07 June 2024

[More Information](#)

## 12th SAFEPROCESS 2024



## THE 12TH IFAC SYMPOSIUM ON ADVANCED CONTROL OF CHEMICAL PROCESSES

14-17 JULY 2024

[More Information](#)

IFAC's 12th ADCHEM Symposium in Toronto from July 14-17, 2024, will showcase recent advancements in chemical, biochemical, and related process control. Researchers and engineers from academia and industry can present their work and collaborate globally. The event occurs every three years and covers topics like Manufacturing Processes, Model-Based Control, Big Data Analytics, Modeling, Energy, and Optimization. Past editions drew around 250 attendees in Venice (2021), Shenyang (2018), and Whistler (2015).

# Calendar of IFAC Conferences

Title	Year	Place	Dates	Further Information
17th IFAC Workshop on Discrete Event Systems WODES 2024	2024	Rio de Janeiro Brazil	April/May 29 – 01	<a href="http://wodes2024.eventos.ufrj.br/">wodes2024.eventos.ufrj.br/</a> <a href="mailto:wodes2024@dee.ufrj.br">wodes2024@dee.ufrj.br</a>
8th IEEE/IFAC et al. International Conference on Control, Automation and Diagnosis ICCAD 2024	2024	Paris France	May 15 – 17	<a href="http://iccad-conf.com/contact@iccad-conf.com">iccad-conf.com/ contact@iccad-conf.com</a>
3rd IFAC Workshop on Integrated Assessment Modeling for Environmental Systems	2024	Savona, Italy	May 29 – 31	<a href="http://james.unige.it/james2024@dibris.unige.it">james.unige.it/ james2024@dibris.unige.it</a>
22nd IFAC Conference on Technology, Culture and International Stability	2024	Waterford, Ireland	May 29 – 31	<a href="http://conferences.ifac-control.org/tecis2024">conferences.ifac- control.org/tecis2024</a>
12th IFAC Symposium on Fault Detection, Supervision and Safety for Technical Processes	2024	Ferrara, Italy	June 04 – 07	<a href="http://safeprocess2024.eu">[safeprocess2024.eu]</a>
7th IFAC Conference on Analysis and Control of Nonlinear Dynamics and Chaos	2024	London, United Kingdom	June 05 – 07	<a href="http://acndc2024.org">[acndc2024.org]</a>
8th IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control	2024	Besançon, France	June 10 – 12	<a href="http://conferences.ifac-control.org/lhmnc24">conferences.ifac- control.org/lhmnc24</a>
4th IFAC Conference on Advances in Proportional-Integral-Derivate Control	2024	Almería, Spain	June 12 – 14	<a href="http://arm.ual.es/pid2024/">[arm.ual.es/pid2024/]</a>
6th IFAC Workshop on Advanced Maintenance Engineering, Services and Technology	2024	Cagliari, Italy	June 12 – 14	<a href="http://sites.unica.it/amest2024/amest2024@unica.it">sites.unica.it/amest2024/ amest2024@unica.it</a>
18th IFAC Conference on Programmable Devices and Embedded Systems PDES 2024	2024	Brno, Czech Republic	June 19 – 21	<a href="http://pdes-conference.eu/pdes@pdes-conference.eu">pdes-conference.eu/ pdes@pdes-conference.eu</a>
EUCA Conference on European Control Conference (in cooperation with IFAC)	2024	Stockholm, Sweden	June 25 – 28	<a href="http://ecc24.euca-ecc.org">[ecc24.euca-ecc.org]</a>
17th IFAC Symposium on Control of Transportation Systems CTS 2024	2024	Ayia Napa Cyprus	July 01 – 03	<a href="http://ifaccts2024.wixsite.com/ifac-cts2024">ifaccts2024.wixsite.com/ifac- cts2024</a> <a href="mailto:ifac.cts2024@gmail.com">ifac.cts2024@gmail.com</a>
12th IFAC Symposium on Advanced Control of Chemical Processes	2024	Toronto, Canada	July 14 – 17	<a href="http://adchem2024.org">[adchem2024.org]</a>
20th IFAC Symposium on System Identification	2024	Boston, MA, USA	July 17 – 19	<a href="http://conferences.ifac-control.org/sysid2024/">conferences.ifac- control.org/sysid2024/</a>
2nd IFAC Workshop on Aerospace Control Education WACE 2024	2024	Bertinoro (Forlì) Italy	July 22 – 24	<a href="https://wace2024.org/">https://wace2024.org/</a>

The IFAC Calendar of Conferences is constantly updated as additional IFAC Conferences (Workshops, Symposia, and Conferences) are approved. Please check back often for the current status. The complete version of the IFAC Calendar of Conferences is available online at: [www.ifac-control.org/events/](http://www.ifac-control.org/events/)

Title	Year	Place	Dates	Further Information
26th International Symposium on Mathematical Theory of Networks and Systems (in cooperation with IFAC)	2024	Cambridge, United Kingdom	August 19 – 23	<a href="https://mtns2024.eng.cam.ac.uk">[mtns2024.eng.cam.ac.uk]</a>
8th IFAC Conference on Nonlinear Model Predictive Control	2024	Kyoto, Japan	August 21 – 24	<a href="https://nmipc2024.org">[nmipc2024.org]</a>
18th IFAC Symposium on Information Control Problems in Manufacturing	2024	Vienna, Austria	August 28 – 30	<a href="https://incom2024.org">[incom2024.org]</a>
15th IFAC Conference on Control Applications in Marine Systems, Robotics and Vehicles	2024	Blacksburg (VA), USA	September 03 – 05	<a href="https://ifac-cams2024.org/">ifac-cams2024.org/</a>
4th IFAC Conference on Modelling, Identification and Control of Nonlinear Systems	2024	Lyon, France	September 04 – 06	<a href="https://micnon2024.org/en">micnon2024.org/en</a>
7th IFAC Workshop on Mining, Mineral and Metal Processing MMM 2024	2024	Brisbane Australia	September 04 – 06	<a href="https://conferences.ifac-control.org/mmm2024">conferences.ifac-control.org/mmm2024</a>
10th IFAC/CACHE Conference on Foundations of Systems Biology in Engineering FOSBE 2024	2024	Corfu Island Greece	September 08-11	<a href="https://fosbe2024.iceht.forth.gr">fosbe2024.iceht.forth.gr</a>
12th IFAC Symposium on Biological and Medical Systems	2024	Villingen-Schwenningen, Germany	September 11 – 13	<a href="https://www.bms-24.org/">https://www.bms-24.org/</a>
3rd SACAC Control Conference Africa (in cooperation with IFAC) CCA 2024	2024	Balaclava Mauritius	September 16 – 17	<a href="https://cca2024.org/">https://cca2024.org/</a>
4th IFAC Workshop on Internet Based Control Education	2024	Ghent, Belgium	September 18 – 20	<a href="https://ibce24.ugent.be">ibce24.ugent.be</a>
18th IFAC Workshop on Time Delay Systems	2024	Udine, Italy	September 24 – 27	<a href="https://tds2024.uniud.it">[tds2024.uniud.it]</a>
Univ. Stuttgart, IST / IFAC Symposium on Systems Theory in Data and Optimization SysDo 2024	2024	Stuttgart Germany	Sept./Oct. 30 – 02	<a href="https://sysdo2024.de">sysdo2024.de</a>
4th AACC, IFAC Conference on Modeling, Estimation and Control Conference MECC 2024	2024	Chicago (IL) USA	October 27 – 30	<a href="https://mecc2024.a2c2.org">mecc2024.a2c2.org</a>
21st INSTICC International Conference on (in cooperation with IFAC) Informatics in Control, Automation and Robotics, ICINCO 2024	2024	Porto Portugal	November 18 – 20	<a href="https://icinco.scitevents.org">https://icinco.scitevents.org</a>
5th IFAC Workshop on Cyber-Physical-Human Systems CPHS 2024	2024	Antalya Turkey	December 12 – 14	<a href="https://cphs2024.org/">cphs2024.org/</a>
13th IFAC Symposium on Nonlinear Control Systems NOLCOS 2025	2025	Reykjavik Iceland	July 09-11	
23rd IFAC World Congress	2026	Busan, Republic of Korea	August 23–28	<a href="https://ifac2026.org/main.asp">[ifac2026.org/main.asp]</a>

# IFAC AFFILIATES PORTAL



## THE PORTAL GIVES ACCESS TO IFAC SERVICES:

- Share with and consult information about other Affiliates
- Receive the IFAC Newsletter
- Receive alerts about the IFAC Conferences in your field/s of interest

- Get reduced registration fees at IFAC Conferences. Conferences are typically 10€ (or the local equivalent) less expensive for IFAC Affiliates, than for non-affiliates
- Participate in IFAC Technical Activities
- Organize IFAC Conferences - Participate in IFAC Journals
- Be nominated to IFAC Awards
- Apply to the IFAC Activity fund

## HOW DO I CONNECT?

- If you are not yet connected to IFAC and wish to join for free, select 'Sign-Up' and then 'Register for an IFAC Account'. Meanwhile you may also browse the Web public data.
- If you receive this Newsletter in your mailbox, this means you are already connected to IFAC and listed in our database. To create your access to the portal for the first time, please select 'Sign-Up' and then 'Register for an IFAC Account' as above. In order to link your access to your existing data and save some time, please complete the form with the exact email address at which you receive the Newsletter.

Detailed instructions are available at:  
[ifac-control.org/about/affiliate-registration](https://ifac-control.org/about/affiliate-registration)

## FREE AND EXCLUSIVE

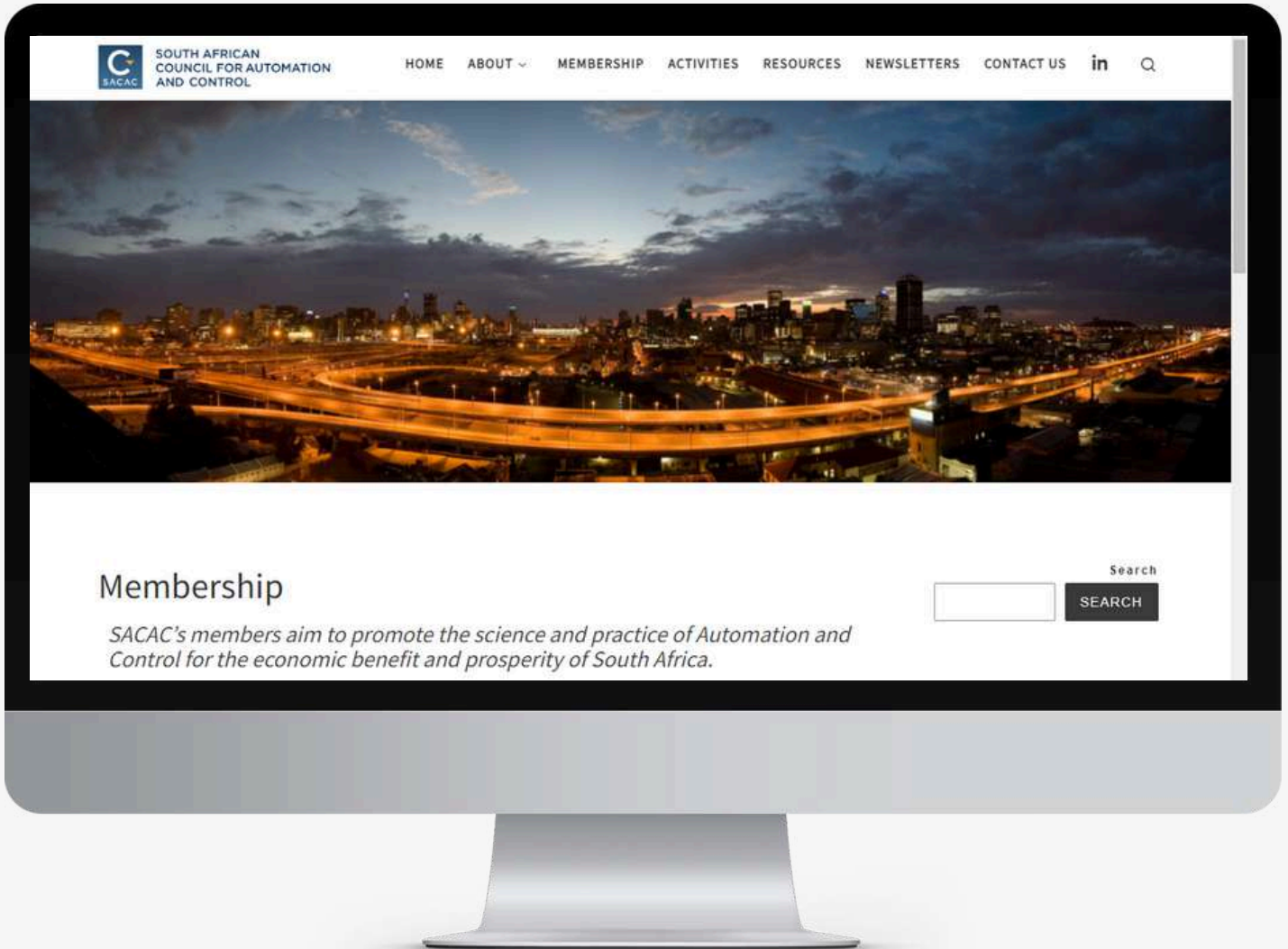
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For any additional information, or if you require any assistance, please contact [secretariat@ifac-control.org](mailto:secretariat@ifac-control.org)



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