SACAC presents:

Control Conference Africa 2017

**Liliesleaf Farm
Johannesburg, South Africa
7-8 December 2017**

SACAC

INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL — IFAC

www.sacac.org.za
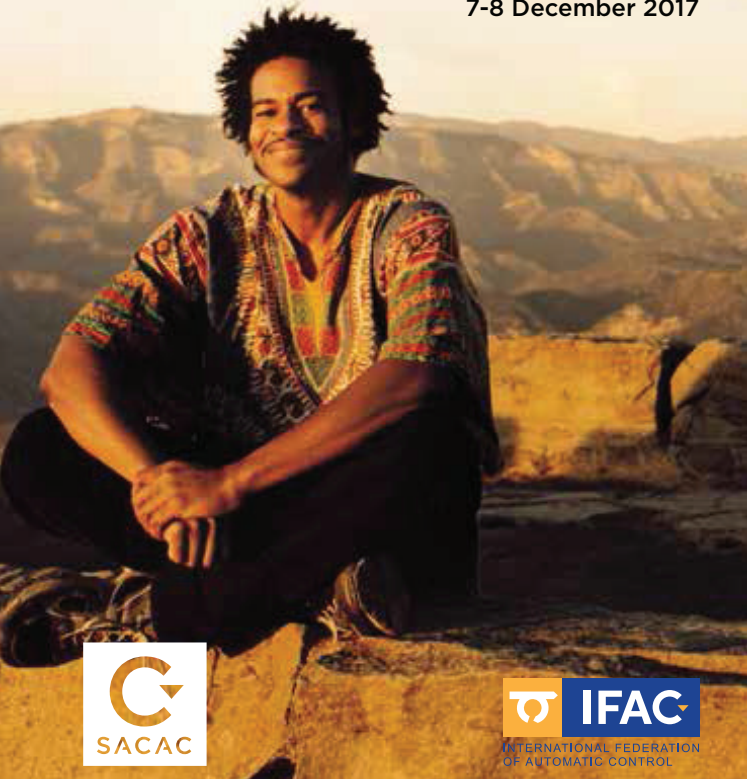
Second Call for Papers

The Control Conference Africa (CCA 2017) is a conference hosted by the South African Council for Automation and Control (SACAC). CCA 2017 promotes the exchange of ideas and developments in control engineering in Africa and builds on previous South African events in control engineering. The CCA 2017 conference specifically addresses control engineers from African countries, African control engineers based abroad who wish to reconnect to their roots, and all control engineers who want to connect with Africa. Both academic and industrial control engineering practitioners have the opportunity to present their work and exchange research ideas with colleagues from across the globe.

Topics include but are not limited to:

- Automotive systems
- Aerospace systems
- Control engineering education
- Energy systems
- Modeling and system identification
- Novel control theory and techniques
- Process control
- Robotic systems

Keynote speakers

David Limebeer
University of Oxford, UK
Optimal Control of a Formula One Car

Babatunde Ogunnaike
University of Delaware, US
Systems Biology of Diseases and the Design of Effective Treatments

Bozenna Pasik-Duncan
University of Kansas, US
Stochastic Adaptive Control - A Field that Spans STEM

Guanrong Chen
City University of Hong Kong, Hong Kong
Pinning Control and Controllability of Complex Dynamical Networks

Thokozani Majozi
University of the Witwatersrand, South Africa
A Hunt in the Forest: Optimization and the Quest for the Global Optimum

Tianyou Chai
Northeastern University, China
Smart optimization control system for energy-intensive equipment

Important Dates

Submission deadline	2 May 2017
Acceptance notification	31 July 2017
Registration opens	31 July 2017
Final papers due	31 August 2017
Early registration ends	11 September 2017
Conference	7-8 December 2017

International Programme Committee IPC

Ian Craig (Chair)
(South Africa – University of Pretoria)
Bozenna Pasik-Duncan (Co-Chair)
(US – University of Kansas)
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(South Africa – BluESP)
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(Algeria – CDTA)
Adil Brouri
(Morocco – ENSAM)
Fernando Camisani-Calzolari
(South Africa – CSIR)
Guanrong Chen
(China – City University of Hong-Kong)
Moncef Chioua
(Germany/Algeria – ABB)
Olurotimi Dahunsi
(Nigeria – Federal University of Technology, Akure)
Sebastián Dormido
(Spain – UNED)
Sebastian Engell
(Germany – University of Dortmund)
Sayed Hassen
(Mauritius – University of Mauritius)
Samuel John
(Namibia – Namibia University of Science and Technology)
Pousga Kabore
(Burkina Faso)

David Limebeer
(UK/South Africa – University of Oxford)
David Mayne
(UK/South Africa – Imperial College London)
Babatunde Ogunnaike
(US/Nigeria – University of Delaware)
Stefan Pickl
(Germany – Universität der Bundeswehr München)
Anthony Rossiter
(UK – University of Sheffield)
Sirish Shah
(Canada/Kenya – University of Alberta)
Sigurd Skogestad
(Norway/South Africa – Norwegian University of Science and Technology)
Christopher Swartz
(Canada/South Africa – McMaster University)
Moses Tade
(Australia/Nigeria – Curtin University)
Oluwafemi Taiwo
(Nigeria – Obafemi Awolowo University)
Raynitchka Tzoneva
(South Africa – Cape Town University of Technology)
George van Schoor
(South Africa – North West University)
Anton van Wyk
(South Africa –University of Witwatersrand)
Antonio Visioli
(Italy – University of Brescia)

Contact the organizers for opportunities to contribute as a sponsor to CCA2017.

Venue

Johannesburg in South Africa is the second largest city in Africa, with more than 3 million people calling this bustling metropolis home. Joburg, or Jozi as some prefer to call it, offers visitors an experience as unique and diverse as the city itself. The city is home to the conference venue, *Liliesleaf Farm*, which is tucked away in the leafy suburb of Rivionia. Once a nerve centre of the liberation movement and a place of refuge for its leaders, today Liliesleaf is one of South Africa's foremost, award-winning heritage sites, where the journey to democracy in South Africa is honoured. The conference location is easily accessible from the city's major highways and accommodation is in close proximity. The social programme includes a tour of the historical venue, a welcome reception, and a banquet at the eclectic and lavish *Katy's Palace Bar.*

For more information see www.liliesleaf.co.za

Local Organising Committee

Otis Nyandoro (Chair)
(South Africa/Zimbabwe – University of the Witwatersrand)

Samuel John (Co-Chair)
(Namibia – Namibia University of Science and Technology)

Oomesh Maharaj (Vice-Chair from Industry)
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Yanxia Sun
(South Africa – University of Johannesburg)

Robyn Verrinder
(South Africa – University of Cape Town)

Types of Contribution

Full contribution
6 page peer reviewed paper, 20 min presentation, published in the open-access IFAC-PapersOnLine series at www.sciencedirect.com.

Extended abstracts
2 page peer reviewed abstract with at least one industrial author, 20 min presentation.

Poster presentation
2 page peer reviewed abstract, poster of max. size A0, 3-5 min presentation.

Submission

The language of the conference and all contributions is English. All papers and abstracts must be submitted as PDF files complying with the IFAC style rules through the PaperPlaza Conference Manuscript Management System. Posters have to be printed and brought to the conference by poster authors.

Registration

	Early*	Late
Regular	R6000	R7500
Student	R4000	R5000

*Before 11 September 2017.

The regular and student registration include the submission of up to two contributions (full contribution, extended abstract, or poster), admission to all sessions of the conference, digital pre-prints, conference booklet, coffee breaks, welcome reception, and banquet dinner. Accompanying persons are welcome to attend the reception and the banquet dinner, but will be charged separately for these events.

Sponsorship is available for participants from Africa to cover the registration fee. Sponsorship for delegates intending to establish IFAC NMOs in Africa is available.

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