

Endorsed by the  
**SOUTH AFRICAN INSTITUTE OF MECHANICAL ENGINEERING**  
**(Western Cape Branch)**



**2023 CONFERENCE ON**

**Mechanical, Manufacturing,  
Materials and Biomedical Engineering**  
- showcasing postgraduate research at local universities -

**Friday, 01 December 2023**

**STIAS, Wallenberg Research Centre, Stellenbosch**

**Organised in association with:**

*Cape Peninsula University of Technology, University of Stellenbosch, University of Cape Town*

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**CALL FOR PAPERS: Deadline Friday, 17 November 17h00!**

**INVITATION**

SAIMechE Western Cape, in association with our local engineering faculties is once again presenting their annual conference on **Postgraduate Research in Mechanical, Manufacturing, Materials, Energy and Biomedical Engineering**. The conference is aimed at providing an opportunity for our local postgraduate students to showcase their current research and interesting technological developments in topics related to the broad field of mechanical engineering. The event includes formal oral presentations as well as opportunities for exhibiting appropriate research achievements as posters.

**SCOPE OF CONFERENCE**

The Conference Organisers will accept papers that address the broad field of mechanical engineering and related disciplines. Recent research, research in progress and topics of current technological importance are invited.

**General topics include:**

- Biomedical Engineering
- Mechanical Design
- Computational Simulations and Models
- Solid and Fluid Mechanics
- Robotics and Control Systems
- Materials Design and Testing
- Advanced Manufacturing Processes
- Engine and Fuel Technology
- Energy and Renewable Energy
- Green Hydrogen Technology

The Conference is registered with ECSA – 1 CPD point.

## SUBMISSION OF ABSTRACTS

All authors are requested to upload an extended abstract in PDF format by using this [link](#) by **17h00 Friday, 17 November 2023**. Extended abstracts should be submitted for both oral and poster presentations.

### **Brief for the extended abstract**

- Please follow the format set out in the Extended Abstract Template. Links to the template can be found
  - [Word doc](#)
  - [PDF format](#)
- The first page should include the title of the presentation, the name/s, affiliation and address of the authors (this should include your postgraduate supervisor), **underlined** the name of the author to whom correspondence should be addressed.
- An extended abstract is a “mini-paper” and should have the following information:
  - Describe the aim of the work.
  - Provide a brief introduction sufficient to orientate the non-specialist reader.
  - A brief description of the methodology or experimental techniques employed.
  - A discussion of the results.

Notice of acceptance will be sent to authors by 21 November 2023. The extended abstracts will be available to all delegates at the conference.

## REGISTRATION

Registration is open from **01 November 2023** with final registration to be completed by **24 November 2023**. To complete the Registration Form please click [here](#)

**All those planning to present at the conference are kindly requested to register by 24 November 2023.**

**COST PER DELEGATE:** R1500 (R800 Student) before 24 November 2023  
R1750 (R900 Student) late registration  
R550 (Dinner dance)

## ENQUIRES

Enquiries to be directed to: [wcape@saimeche.org.za](mailto:wcape@saimeche.org.za)

## KEY DATES

Submission of abstracts	Friday, 17 November 2023 (17h00)
Notification of acceptance of abstract	Friday, 21 November 2023
Final submission of revised abstract	Friday, 24 November 2023 (17h00)
Final registration & payment deadline	Friday, 24 November 2023 (17h00)
<b>Conference</b>	<b>Friday, 01 December 2023</b>

## ORGANISING AND PEER REVIEW COMMITTEE

Mr Carl Tshamala (US) - Chair  
Prof Martin Venter (US) – co-chair  
Dr Melody Neaves (US)  
Prof Steeve Chung Kim Yuen (UCT)  
Mr Sa-aadat Parker (UCT)  
Dr Tiyamike Nyozani Ngonda (CPUT)  
Prof Graeme John Oliver (CPUT)  
Mr Paul Senda (CPUT)  
Mr Luyanda Milard Meyers (CPUT)