

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



2025 CONFERENCE ON

**Mechanical, Manufacturing, Materials
and Biomedical Engineering**

- showcasing postgraduate research at local universities -

Friday, 07 November 2025

Belmont Conference Centre, Rondebosch

Dinner at Moyo, Kirstenbosch Botanical Gardens

Organised in association with:

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

CALL FOR PAPERS: Extended Deadline
Friday, 10 October 2025!!!

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
- Hydrogen Technology

The Conference is registered with ECSA – 1 CPD point.

SUBMISSION OF ABSTRACTS

All authors will be requested to upload an extended abstract in PDF format by using this [link](#) by **10 October 2025**. Extended abstracts should be submitted for both oral presentations and posters.

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](#)
- 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.
- The link for submission of Abstracts is [here](#). An Easy Chair account will have to be used and/or created for abstract submission.

Notice of revision/acceptance will be sent to authors by 17 October 2025. The extended abstracts will be available to all delegates at the conference.

Prizes to be won:

Best Presentation (sponsored by SAIMechE)

Best overall abstract (sponsored by SAIMechE)

Best paper demonstrating the use of Aluminium: ZAR 2500 (sponsored by AFSA)

Best paper demonstrating the use of Composites: ZAR 2500 (sponsored by AAT Composites)

Best paper demonstrating the use of Siemens Simcenter software: ZAR 2500 (sponsored by Aerotherm)

10 x MECAD Training vouchers (each valued at ZAR 12000) for any of their courses

REGISTRATION

Registration is open from **01 September 2025** with final registration to be completed by **24 October 2025** (late registration applies)

To complete the Registration Form please click [here](#)

All those presenting at the conference are kindly requested to register by 24 October 2025

COST PER DELEGATE: R1600 (R900 Student) (Early Bird: on or before 15 October 2025)
R1850 (R1000 Student) (Late registration: after 15 October 2025)
R650 (Dinner dance) (by 24 October)
R1000 SAIMechE Member* (Early Bird: on or before 15 October 2025)
R1200 SAIMechE Member* (Late registration: after 15 October 2025)

*includes full-day conference and dinner dance ticket for you and your partner. Membership number to be provided.

ENQUIRES

Enquiries to be directed to: mctshamala@sun.ac.za or steeve.chungkimyuen@uct.ac.za

KEY DATES

Submission of abstracts - Extended	Friday, 10 October 2025
Notification of acceptance of abstract	Friday, 17 October 2025
Final submission of revised abstract	Friday, 24 October 2025
Final registration & payment deadline	Friday, 24 October 2025
Conference	Friday, 07 November 2025

ORGANISING COMMITTEE

- Mr Carl Tshamala (US) - SAIMechE Western Cape Branch Chairman
- Prof Graeme John Oliver (CPUT)
- Dr Melody Neaves (US)
- Mr Sa-aadat Parker (UCT) – Co-Chair
- Prof Steeve Chung Kim Yuen (UCT) - Chair

SCIENTIFIC COMMITTEE

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AAT COMPOSITES



Aluminium - light, strong and beautiful



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