

Second Announcement and Call for Abstracts

The 13th South African Conference on Computational and Applied Mechanics (SACAM 2024) will be held on 22 and 23 January 2024 at STIAS Wallenberg Centre in Stellenbosch. SACAM is a premier international conference on Computational and Applied Mechanics on the African Continent that attracts local and international participants. SACAM is held every two years under the auspices of the South African Association for Applied Mechanics (SAAM) as a forum for presenting current computational and applied mechanics developments. The main function of SACAM is to bring together engineers, scientists and applied mathematicians from academia, research institutions and industry to encourage scientific engagement and exchange of ideas in applied and computational mechanics. Participation of postgraduate students and industry researchers are encouraged to participate.

Conference topics include, but aren't limited to

- Aerodynamics
- Biomechanics
- Computational Fluid Dynamics
- Computational Methods in Mechanics
- Discrete Element Modelling
- Engineering Education
- Finite Element Modelling
- Fluid Mechanics
- Fluid-Structure Interactions
- Mechanics of Composites
- Mechanics of Materials
- Mechanics of Vibrations
- Micro- and Nano-Scale Mechanics
- Soil and Rock Mechanics
- Solid Mechanics
- Stochastics Mechanics
- Structural Dynamics
- Structural Mechanics
- Thermodynamics and Heat Transfer

Important dates:

- Abstract submission 28 August 2023
- Notification of abstract acceptance 29 September 2023
- Full-length manuscript submissions 24 November 2023
- Registration opens on 15 September 2023

Presentation at the conference will be subject to the acceptance of an abstract and the submission of a full-length manuscript. Abstracts should adhere to the following requirements:

- The title should be concise (not more than 12 words);

- It should bear the names of authors and their affiliations and the e-mail address of the corresponding author;
- The abstract should not exceed 500 words;
- The abstract should include 3 – 5 keywords;
- Abstracts should be uploaded as Adobe pdf documents

Conference Website:

www.sacam.co.za

Contact:

Please feel free to contact the local organizing committee at hoffmaj@sun.ac.za

Full-length manuscript review

Full-length manuscripts presented at the conference will be subject to a double-blind review after the conference, and accepted papers will be included in the Conference Proceedings. The reviewers will be tasked to ensure that:

- The editorial standard of the paper is acceptable for an international conference,
- The contents of the paper are of interest to the target audience, and
- The standard, methodology and quality of the work are appropriate.

The four best papers, judged on both the manuscript and presentation, will be invited for publication in the R&D Journal of the South African Institution of Mechanical Engineering.

(<https://www.saimeche.org.za/page/rdjournal>).

More on Stellenbosch

- Stellenbosch is about a 45-minute drive from Cape Town International Airport and about an hour's drive from Cape Town.
- Stellenbosch is easily accessible from the N1 and N2 highways.
- Stellenbosch is the second oldest town in South Africa and is situated in the heart of the Cape Winelands.
- Main attractions include the Stellenbosch Wine Route, historic buildings, museums, art galleries, mountains and nearby beaches for surfing, hiking, mountain biking, horse riding, etc.
- There are an abundance of luxury guest houses, self-catering accommodation, and hotels in town and on the surrounding wine estates (<https://www.visitstellenbosch.org/>)

For international travellers

January is summer in South Africa, and the conference date falls at the end of the holiday season.

Most international visitors to South Africa will require a visa. For more information, see:

(<http://www.dha.gov.za/index.php/applying-for-sa-visa>)

You can find the latest Covid-19 restrictions for international visitors to South Africa here:

(<https://www.gov.za/covid-19/individuals-and-households/travel-coronavirus-covid-19>)

About SAAM

SAAM (<http://www.samechanics.co.za>) was established in 1994 to promote the interests of the mechanics' community in South Africa. The association oversees and coordinates conferences and promotes commercial and academic activities in the general area of theoretical, experimental and computational mechanics in South Africa. In addition, SAAM represents South African interests at the International Union for Theoretical and Applied Mechanics (<http://www.iutam.org>).

Membership in SAAM is open to all persons who are engaged in activities related to mechanics.

SAAM membership for 2024 is automatically granted to all full delegates who attended SACAM 2024. Prof. Nico Wilke of the Department of Mechanical and Aeronautical Engineering, University of Pretoria, is currently president of SAAM.