



# 1ST INTERNATIONAL CONGRESS on ADVANCED COMPUTATIONAL MODELLING OF MATERIALS (CAMOM)

**18-22 September 2022**  
**University of Pretoria, South Africa (and online)**  
**FREE Registration**

Developing the theoretical basis required to gain insights into condensed matter systems by understanding the underpinning physics as well as their application to contemporary research in computational condensed materials physics, chemistry, and soft matter physics. Selected applications include catalytic materials, energy materials and solar materials, artificial photosynthesis, light-harvesting complexes, and alloy development using computational thermodynamics.

## FOCUS AREAS / THEMES

**TPCM:** Theoretical physics of condensed matter systems

**CMMP:** Condensed matter physics, materials physics, chemistry, and engineering

**SMP:** Soft matter physics, biomaterials, and biophysics

**HPC:** High-performance computing: emerging opportunities and challenges

## AUTHOR GUIDELINES

- Submissions in the form of extended abstracts, short papers, and full manuscripts are welcome.
- All submitted papers will be subjected to single-blind peer-review process.
- The proceedings of the symposium will be published under an ISSN and ISBN number.
- The proceedings will be indexed by Scopus and Google Scholar.
- Each paper will be assigned a unique DOI number by Crossref.

The proceedings will be archived permanently in the Institute of Physics (IOP) Proceedings database and made available on the Web of Science. All the selected papers from the symposium will be submitted for possible publication in the IOP's *Journal of Physics: Conference Series*.

Please submit your Abstract [here](#) and your full paper for the Conference Proceedings [here](#).

## KEY DEADLINES

15 August: Abstract submission  
22 August: Notification of acceptance  
18 June: Early registration  
30 August: Late registration  
16 September: Submission of full manuscript

## ORGANISERS

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