

CALL FOR ABSTRACTS

Closing date for applications – 15 May 2018



23 – 26 OCTOBER 2018
VAAI TRIANGLE, SOUTH AFRICA

The host of the Conference of the South African Advanced Materials Initiative (CoSAAMI-2018), the CSIR, is pleased to invite you to submit abstracts on the latest research and development in the science and technologies associated with advanced materials.

The conference is an evolution of the Advanced Metals Initiative (AMI) series of conferences which offered a platform for researchers and students from the AMI networks, Light Metals Development Network (LMDN), Ferrous Metals Development Network (FMDN), Precious Metals Development Network (PMDN) and Nuclear Materials Development Network (NMDN) and researchers globally, to present their work on topics related to the themes of the conference.

The AMI conferences were annual conferences rotating between the different networks and the conference theme was based on the network hosting the conference. The annual AMI conference will in future not be limited to the theme of a specific network. Researchers and students across all networks will have the opportunity to present their research on advanced materials. The AMI will no longer only represent R&D towards advanced metals, hence the name change to Advanced Materials Initiative. The programme will therefore encompass materials science aimed at beneficiation of South African Minerals towards R&D-led industrialisation.

Papers will be double blind peer reviewed and published in proceedings which will be open access.

Principal investigators, researchers and students from research councils, universities and industry are encouraged to participate

Advanced Metals Initiative Network Members:

Light Metals Development Network (LMDN), CSIR
Titanium Centre of Competence (TiCoC), CSIR
Precious Metals Development Network (PMDN), MINTEK
Ferrous Metals Development Network (FMDN), MINTEK
Nuclear Materials Development Network, NECSA

www.cosaami2018.co.za

THEMATIC AREAS INCLUDE:

The thematic areas in materials science will include:

- Powder metallurgy
- Materials for extreme environment
 - Smart materials
- Corrosion
- Light weighting
- Design, modelling and simulation
- Political economy of materials science
- Polymers
- Advanced manufacturing:
 - Additive manufacturing
 - Casting
 - Machining
 - Hybrid manufacturing, etc
- Alloy development
- Ceramics
- Composites

IMPORTANT DATES:

Submission of abstracts.....	15 May 2018
Acceptance of abstracts.....	30 May 2018
Submission of manuscripts.....	7 July 2018
Reviewed and notification of acceptance	7 August 2018
Submission of final manuscripts.....	24 August 2018
Presenters register before	25 August 2018
Conference dates.....	23-26 October 2018

CONFERENCE FEE:

Conference: R8 500 • **AMI student:** No charge

Non-AMI student: R5 500

The conference cost includes full conference participation, accommodation for three nights, breakfasts, lunches and suppers including a conference dinner and entertainment; and a hard bound book of the conference proceedings.

EXHIBITIONS/SPONSORSHIP:

Sponsorship opportunities are available. Companies wishing to sponsor or exhibit should contact: Sylvester Bolokang, (SBolokang@csir.co.za) or Annelize Botes (ABotes1@csir.co.za)

CONTACT: **Conference Secretary:** Kelly Matthews – kmatthew@csir.co.za
Conference Chair: Dr Sagren Govender – SGovender@csir.co.za
Conference Co-Chair: Dr Robert Tshikhudo – RTshikhudo@csir.co.za