



FIRST CALL FOR PAPERS

SOUTH AFRICAN CONFERENCE ON SEMI- AND SUPERCONDUCTING TECHNOLOGY 2009 (SACSST 2009)

Spier Wine Estate, Stellenbosch, SOUTH AFRICA

8-9 April 2009

ORGANISING COMMITTEE

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Carl and Emily Fuchs Institute for
Microelectronics (CEFIM)

WEB ADDRESS:

<http://research.ee.sun.ac.za/SACSST09/>

CALL FOR PAPERS

Stellenbosch University, the Cape Peninsula University of Technology and CEFIM are pleased to announce the first SACCST event to be held at Spier Wine Estate, South Africa, from 8 to 9 April 2009.

The aim of SACSST 2009 is to establish a forum for the exchange of in-depth ideas for South African researchers working in the relatively small fields of semiconductor and superconductor technologies. Participants will be able to get acquainted with the research activities in the field and share technical information and problems with their peers. The conference will serve as a platform for industry, universities (including postgraduate students) and research institutions to report on their research activities. It is envisaged that the conference will help to establish cooperation amongst researchers.

Researchers are invited to submit contributions in the following research areas:

- Electron and superconducting devices - Design, simulation, physics, modelling
- Semi- and superconducting integrated circuits - Design, applications, new technologies, layout software
- Sensors and MEMS - Integrated sensors, micro-sensors, applications
- Semiconductor and superconducting materials - New materials, characterisation, applications
- Opto-electronics - Solar cells, radiation detectors
- Silicon photonics - New technologies, design, applications
- Low-temperature electronics - Cryogenic interfaces, measurements
- Nanotechnology - Fabrication, characterisation

SUBMISSION OF ABSTRACTS

You are invited to contribute a 20 minute presentation at the conference. Abstracts must be **submitted by 15 January 2009** and successful authors will be invited to submit full papers by mid-February 2009. (Only accepted papers will be published, but this does not prevent successful abstracts of being incorporated at a poster session to encourage participation of young researchers in the field.)

Submissions will be subject to blind peer-review of full papers, and the printed proceedings will have an ISBN number. It can therefore be expected that authors will benefit from the Department of Education subsidy for their publications.

ACCREDITATION

The conference will be registered for Continued Professional Development (CPD) credits with the *Engineering Council of South Africa (ECSA)*.

REGISTRATION AND FEES

Conference fees are set at **R1500** per person (students R1000 per person) (VAT is not applicable). All attendees will receive a formal invoice to help facilitate corporate payments. Registration forms will be made available from the [conference web page](#) or can be requested by e-mail from Hannelie van Wyk at hvanwyk@sun.ac.za