



4th South African Conference on Photonic Materials

2 – 6 May 2011

Kariega Game Reserve, South Africa



Announcement and call for abstracts

The purpose of the conference is to bring together scientists from Africa and abroad who are working on various issues related to photonic materials. Following the success of the Kariega 2004 and 2007 and the Mabula 2009 conferences, Kariega 2011 will follow the same general format. In particular, the conference will focus primarily (but not exclusively) on the following material systems:

- III-nitrides such as GaN, AlGaIn, InGaIn, etc
- ZnO and other wide gap materials
- materials for photovoltaic applications
- narrow gap materials for mid-infrared applications
- photonic crystals for fibre applications
- phosphors

A few contributions on novel photonic materials (including polymers) will also be accommodated in the programme. Materials related issues that would fall well within the scope of the conference are the following:

- crystal growth and epitaxy
- characterisation (photoluminescence, DLTS, IR spectroscopy, etc.)
- defect related studies
- process related issues
- modelling of materials
- opto-electronic devices (novel structures, etc.)
- device modelling and characterisation

A group of international speakers, all experts in their fields, will present invited lectures on topics related to the theme of the conference. The scientific programme will also include a number of oral presentations selected from submitted abstracts, as well as poster presentations. Ample time will be available for the discussion of research results. As the number of delegates will be limited to 60, it is hoped that the conference will encourage much interaction, especially between local and international delegates. We would particularly welcome the participation of senior (Ph.D.) students and will offer a reduced conference registration fee to full-time bona-fide students.

IMPORTANT DEADLINES:

- ◆ Abstract submission: 14 January 2011
- ◆ Notice of acceptance: 1 February 2011
- ◆ Early bird registration: 28 February 2011
- ◆ Deadline for registration: 4 April 2011
- ◆ Manuscript submission: 2 May 2011 (first day of conference)
- ◆ Review of manuscripts: During the conference

More information on conference fees, programme, and abstract and manuscript preparation is available at the conference website: <http://sacpm2011.ufs.ac.za>.

Requests for official Letters of Invitation (to help secure funding or facilitate entry into South Africa for participants) and any other information on the conference should be addressed to the Conference Secretary, Ted Kroon at +27-51-4012884 or KroonRE@ufs.ac.za.
