



**9th South African Conference on Photonic
Materials (9th SACPM)**
8 - 12 May 2023
Skukuza, Kruger National Park, South Africa



Announcement and call for abstracts

The purpose of the conference is to bring together local and international scientists who are working on various issues related to photonic materials. Following on the success of eight previous conferences in the series, the next conference 'Kruger 2023' will take the same general format at a new venue, the Kruger National Park, Here nearly 2 million hectares of unrivaled diversity of life forms fuses with historical and archaeological sites - this is real Africa. The world-renowned Kruger National Park offers a wildlife experience that ranks with the best in Africa.

The purpose of the conference is to bring together local and international scientists who are working on various issues related to photonic materials.

We aim to invite about a dozen expert scientists (mostly international) to present 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. We would particularly welcome the participation of senior (PhD and postdoctoral) students and offer them reduced conference registration fees. Peer reviewed papers of the past five conferences have been published in Physica B. Ample time will be available for the discussion of research results and for game drives. As the number of delegates will be limited, it is hoped that the conference will encourage much interaction, especially between local and international delegates.

In particular, the conference will focus primarily (but not exclusively) on the following:

- ◆ III-nitrides such as GaN, AlGa_N, InGa_N, etc
- ◆ ZnO and other wide gap materials
- ◆ Materials for photovoltaic applications
- ◆ Narrow gap materials for mid-infrared applications, Thermal Photovoltaics, etc
- ◆ Photonic crystals for fiber applications
- ◆ Biophotonics
- ◆ Novel photonic materials (including polymers)

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
- ◆ Modeling of materials
- ◆ Opto-electronic devices (novel structures, etc.)
- ◆ Device modelling and characterisation

IMPORTANT DEADLINES:

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| ◆ Abstract submission Deadline | 15 December 2022 |
| ◆ Acceptance of abstracts | 20 January 2023 |
| ◆ Early bird registration deadline | 31 January 2023 |
| ◆ Last date for late registration | 28 February 2023 |
| ◆ Cancellations and final payments | 28 February 2023 |
| ◆ Conference | Arrival 8 May, departure 12 May 2023 |
| ◆ Paper submission deadline | 26 May 2023 |

More information on conference fees, the programme, and abstract preparation is available on the conference website: <https://events.saip.org.za/event/236/>.

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 Prof. Jackie Nel (Jackie.nel@up.ac.za).
