

8th African Laser Centre Student Workshop



University of Stellenbosch

2 – 6 December 2015

Zevenwacht, Stellenbosch, RSA



Announcement and call for abstracts

Dear Colleagues

I would like to draw your attention to the 8th African Laser Centre (ALC) Student Workshop on laser-based research to be held in Zevenwacht, Stellenbosch from 2 to 6 December 2015. The South African Government will sponsor the 8th Annual ALC Student Workshop 2015, in collaboration with the University of Stellenbosch this year. The Workshop is aimed at ALC grant holders, students working on ALC projects and based at a South African university and a limited number of students working on South African Department of Science and Technology (DST) supported national Rental Pool laser research projects. It is hoped that a reasonable number of grant holders, students from each ALC-funded project and selected Rental Pool research projects will be able to attend.

The purpose of the Workshop is to give grant holders and students the opportunity to present the research results from their ALC-funded projects, and to engage in discussions with colleagues and students from other institutions.

The format of the Workshop will be as follows:

- Each project leader will have the opportunity to introduce the project, followed by a student presentation (Total time allocated 20 minutes).
- Additional project presentations in the form of posters.
- A limited number of rental pool student presentations will also be accommodated.
- Two keynote speakers will also address delegates.

The fact that the Workshop is limited to ALC associated researchers and students will encourage interaction between grant holders and students.

Full details regarding the Workshop may be found at: http://academic.sun.ac.za/physics/websites/alc_workshop_2015
In order to apply for participation in the Workshop, an abstract and an application form must be submitted for review. Please note the deadline for **abstract** and **application** submission is **4 September 2015**. The abstract **acceptance outcome** will be **1 October 2015**.

On behalf of the Workshop Organising Committee I trust you will publicise this workshop amongst your students. We look forward to the participation of ALC grant holders, with ALC projects, and South African students associated with DST supported laser Rental Pool projects.

Please note: The 8th ALC Workshop will be preceded by an **ALC Workshop on Laser Spectroscopy** held by the Laser Research Institute, University of Stellenbosch **30 Nov – 2 Dec**. If you want to combine the two events please see the announcement added to this document.

Should you have any questions, please do not hesitate to contact the Workshop Secretariat at e-mail: pew@sun.ac.za or telephone +27-21-808-3366.

Yours sincerely

Erich Rohwer
(Workshop Chair)
University of Stellenbosch

Announcement

ALC WORKSHOP ON LASER SPECTROSCOPY, STELLENBOSCH 2015

Workshop on laser Spectroscopy and applications in physics and chemistry

30 November – 2 December 2015, Laser Research Institute, University of Stellenbosch.

The course will focus on basic principles of laser spectroscopy techniques using femto second lasers, and traditional high resolution spectroscopy techniques. This will include pump probe techniques and related diagnostics, THz spectroscopy, Raman spectroscopy and high resolution vuv spectroscopy. Experimental experience in fs lasers, THz sources, VUV sources and their application in spectroscopy and related applications will form part of the course. Experimental experience with a Raman spectroscopy setup will also be part of the course.

Theoretical and experimental work will be done during tutorial and practical sessions to gain experience in the various techniques

During the workshop there will be an opportunity for attending students to present a poster on their research in order to stimulate discussion between students and research groups, to identify potential shared interests.

The aim of the workshop therefore is

- To share knowledge in the functioning of fs lasers and related equipment and relevant methods.
- To provide insight into experiments and potential experiments in fs laser science.
- To highlight inter and cross disciplinary projects that are possible in the SA and African context.
- To provide participants with knowledge required to define possible joint projects.
- To provide a platform for the development of joint projects.

For further information and Application form please send e-mail to Workshop Secretariat at pew@sun.ac.za.