

## CAREER OPPORTUNITY

The CSIR (Council for Scientific and Industrial Research) is a leading scientific and technology research organisation, implementing projects throughout Africa and making a difference in people's lives.

### Postdoctoral Fellow in Laser Systems Group

#### About the job:

CSIR National Laser Centre (NLC) is a national research centre focusing on research and development (R&D) work in laser technology and its applications. The centre focuses its activities on the generation of new knowledge in this field. It is also engaged in contractual R&D work in several different market segments, which includes the manufacturing, health, mining and defence industries. The Centre has a strong commitment to establish and strengthen links with tertiary education institutions. Within the Centre, the laser systems research group is responsible for R&D in the field of diode-pumped solid-state laser sources.

A **Postdoctoral Fellow** position exists in the laser systems group.

#### Key responsibilities:

The incumbent's responsibilities cover the following aspects:

- Contribute to R&D projects in laser source development at the centre.
- Mentor young scientists and students.
- Maintain a research profile informed by international research trends as well as local industry needs.
- Contribute to medium- to long-term research projects.
- Work in a multidisciplinary environment with clients, engineers, scientists, project managers and technicians.
- Present work at conferences or to clients.
- Publish research in peer-reviewed journals.
- Develop laser prototypes.
- Collaborate on interdisciplinary research projects.

#### Qualifications, skills and experience:

- The minimum requirement is a Master's degree or equivalent in physics or engineering with at least one year's experience in a laser research environment.
- Experience in diode-pumped solid-state laser development is preferred.

Should you meet the above requirements, please go to the URL indicated below in order to apply; select the position reference number 4940; complete the application form and attach your CV: [www.csir.co.za/apply.php](http://www.csir.co.za/apply.php)

**Closing date: 21 March 2011**

**PLEASE NOTE THAT FEEDBACK WILL BE GIVEN TO SHORTLISTED CANDIDATES ONLY.**

Should you experience any problems in submitting your application, please contact the CSIR Recruitment Centre at [Recruitmentqueries@csir.co.za](mailto:Recruitmentqueries@csir.co.za). Please **do not** submit your application to this mailbox.

*The CSIR gives preference to candidates who meet the job requirements and who will add to the cultural and gender diversity of the organisation. By applying for this position at the CSIR, the applicant understands, consents and agrees that the CSIR may solicit a credit and criminal report from a registered credit bureau and/or SAPS (in relation to positions that require trust and honesty and/or entail the handling of cash or finances) and may also verify the applicant's educational qualifications and employment history. **The CSIR reserves the right not to appoint if a suitable candidate is not identified.***