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.

Studentships: 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 is focusing 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. **Studentship (Master's or Doctorate)** positions exist in the laser systems group.

Key responsibilities:

The incumbents' responsibilities cover the following aspects:

- Contribute to R&D projects in laser source development.
- Execute Master's or Doctorate research project (solid-state laser development, registered at a South African university).
- Complete Master's level coursework at a South African university (if required).
- Work in a multidisciplinary environment with engineers, scientists, project managers and technicians.
- Present work at local or international conferences.
- Publish research in peer-reviewed journals.
- Collaborate on interdisciplinary research projects.

Job requirements:

- For Master's Studentship:
  - A BSc Honours degree or equivalent in physics or a BEng degree in engineering with some experience in a laser research environment.
  - Experience in diode-pumped solid-state laser development is preferred.

- For Doctoral Studentship:
  - 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 4942; complete the application form and attach your CV: 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. 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.***