

## CAREER OPPORTUNITY

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

### Doctoral Studentship

#### About the job:

The CSIR has a vacancy for a **Doctoral Studentship** in the Sensor Science & Technology Competence Area within the Materials Science and Manufacturing (MSM) unit. The incumbent will conduct research relating to the development of signal processing algorithms for sensor technology applications. This position is based in Pretoria.

#### About the Centre

The Sensor Science and Technology (SST) competence area focuses on research and development in ultrasound transducers and systems as well as electro optic technologies and applications. Projects are conducted across the innovation chain in order to develop ultimate solutions into the market. Such work is conducted in collaboration with industrial clients, both local and international.

#### Key responsibilities:

- Investigate, optimise and synthesize algorithms for sensor technology application;
- Operate between CSIR and collaborating universities/ research institutions.

#### Qualifications, skills and experience:

- A Master's degree in electrical/ electronic or computer engineering;
- Basic knowledge of the following is preferable:
  - Signal Processing,
  - Machine Learning,
  - Condition Monitoring, and
  - Sensors Technologies
- Communication and presentation skills;
- Problem-solving, solution-seeking orientation;
- A goal-oriented approach;
- Ability to work independently as well as in teams.

Should you meet the above requirements, please email your CV to [jobapplications@csir.co.za](mailto:jobapplications@csir.co.za) with your name and surname, position title and reference number in the subject line, **(eg. John Smith: Job title: Reference No: 308260)**

**Closing date: 16 July 2017**

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

For more info, please contact the CSIR Recruitment Centre on **012 841 4774** or email us at [Recruitmentinfo@csir.co.za](mailto:Recruitmentinfo@csir.co.za)

*The CSIR is an equal opportunity employer. As such, it is committed to the Employment Equity Act of 1998. 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 to remove the advertisement at any time before the stated closing date and it further reserves the right not to appoint if a suitable candidate is not identified.***