

## 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.

### Cybersecurity Systems Engineer

#### About the job:

The CSIR has a vacancy for a **Cybersecurity Systems Engineer** in the Command Control and Information Warfare (CCIW) competence area within the Defence Peace Safety and Security (DPSS) unit. The incumbent will apply an interdisciplinary approach and means to enable the realisation of successful systems engineering principles. This position is based in Pretoria.

For more information about the unit, please visit <http://defsec.csir.co.za/>

#### Key responsibilities:

- Execute sub-system project plans;
- Execute security architecture plans and sub-system directives;
- Compile MoE's and MoPs for technical solutions using a SE approach;
- Interpret already defined client requirements and compile user requirements specifications (URS);
- Interpret URS requirements and compile sub-system requirements specifications;
- Interpret defined level sub-system requirements for implementation;
- Interpret and write Operational Concept Descriptions (OCDs) for SOC's;
- Conduct design reviews of appropriate level sub-system, hardware and software;
- Assist with requirements definition for SOC's, CONOPS definition, and conceptualisation of the optimum solutions;
- Apply the appropriate SE know-how, at the correct life-cycle stage and system hierarchical level to comply to higher-level project requirements;
- Assists in audits through the development life-cycle to verify compliance.

#### Qualifications, skills and experience:

- A Master's Degree in computer science or equivalent with at least fifteen years' experience in the cyber or defence environment of which ten years' experience should be in cybersecurity design and development;
- A completed short course(s) in systems engineering and requirements analysis will be advantageous;
- Experience with systems engineering tools such as SparksEA and Archimate will be advantageous;
- Participation in the execution of product field trials to clients within an operational scenario;
- Knowledge of COBIT 5 would be an advantage;
- Skills in the following is a requirement:
  - Requirement analysis;

- Interface definition;
- Use of modelling tools;
- Knowledge of commonly used systems engineering international standards such as ISO27001 and ISO27035;
- Project Management Experience
- Willingness to mentor juniors;
- Open to performing business development and client liaison.

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 on the subject line, **(e.g. John Smith : Cybersecurity Systems Engineer: Reference No: 307319)**

**Closing date: 24 October 2016**

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

For more info, please contact 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.***