

CAREER OPPORTUNITY

The Council for Scientific and Industrial Research (CSIR) is a leading scientific and technology research organisation that researches, develops, localises and diffuses technologies to accelerate socio-economic prosperity in South Africa. The organisation's work contributes to industrial development and supports a capable state.

Digital Transformation Specialist

About the job:

The CSIR has a vacancy for **Digital Transformation Specialist** in the Centre for Robotics and Future Production group within the Manufacturing cluster. The successful candidate will work in a multi-disciplinary team to transform organisations from their current state to fourth industrial revolution ready organisations, unlocking new value and business models for these organisations. This position is based in Pretoria.

About the Group:

The group is currently focussing on projects in intelligent manufacturing, PLM system implementation and adaptations thereof, Manufacturing Automation, Robotics and Vision Systems. Outputs and impact are achieved through support of Industry and innovative products delivered to the marketplace.

Key responsibilities:

- Consult business, understand their needs, identify optimisation opportunities, and implement robust digital transformation solutions;
- Build trust and strong partnership with technical teams and other stakeholders to maximize value/impact of the projects;
- Help to define and shape the business process architecture within companies that are supported;
- Communicate clearly and collaborate with Stakeholders to turn broad requirements into recommended solutions and deliverables;
- Analyse organisational culture, business models, processes, technology, and ICT architecture of organisations and propose optimised solutions;
- Build and deploy of Digital Twins to maximise the value for a supported company;
- Assess the 4IR Readiness and maturity of manufacturing companies;
- Execute projects and deliver results on brief on budget and on time;
- Publish original research and present work at national and international conferences and workshops;
- Work in a multidisciplinary environment with clients, engineers, scientist, project managers and technicians.

Qualifications, skills and experience:

- A BSc or BEng in Mechanical, Mechatronics, Electronics, Computer Science, Computer Engineering or Industrial Engineering with at least seven years' experience in applied research environment or in industry;
- Experience in the following will be required:
 - Application of Systems Engineering Methodologies like Model Based Systems Engineering (MBSE);
 - Business Process Optimisation and development of new business models;
 - Industrial Engineering methodologies like Value Stream Mapping;
 - Cloud based technologies and applications;
- Good presentation, research and report writing skills;
- Good computer literacy;
- High level conceptualisation and analytical skills;
- Problem solving and solution seeking orientation;
- Excellent facilitation and interpersonal skills;
- A goal-oriented approach;
- Ability to apply design thinking and Systems Engineering concepts in analysis and solutions;
- Ability to work independently as well as in teams.

Should you meet the above requirements, please email your CV to Recruitment01@csir.co.za with your name and surname, position title and reference number in the subject line, **(eg. John Smith: Job title: Reference No: 312221)**

Closing date: 22 July 2022

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

For more info, please email us at Recruitment01@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.***