

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.

Research Group Leader: Network Asset Management Systems

About the job:

The CSIR has a vacancy for a **Research Group Leader: Network asset management systems** in the Transport Systems Operations competence area, within the Smart Mobility Cluster. The research group seeks to generate new knowledge and contribute towards methodological and technological improvements in the development and implementation of systems aimed at optimising the total costs of owning and operating transport network infrastructure. Systems currently in place include the CSIR Bridge Management System, self-regulation system in the transport industry/Road Transport Management System for the heavy vehicle transport industry, performance-based standards for heavy vehicles, and abnormal loads management. The main purpose of this position will be to provide leadership with regards to increasing the impact of the research group through science, engineering and technology (SET) excellence in areas that include sustainable transport infrastructure management, data science applications in infrastructure management, industry collaborations, and transport foresight research. This position is based in Pretoria.

For more information about the impact area and cluster, please visit <https://www.csir.co.za/smart-mobility>

Key responsibilities:

- Continuously build the research group to be responsive to current and future transport challenges, within the transport sector and in the context of supporting industrial development;
- Implement a business plan for operations, sustainable growth and robustness of the research group (including strategy, goals, mission, HR, finances) and establish the research group as a national leader in transport network asset management, with international recognition;
- Attract appropriate levels of funding to support the financial viability of the research group;
- Propose, plan and implement Parliamentary Grant (PG) and other grant-funded projects, in consultation with the Competence Area Manager (CAM) to enhance the technical strength of the research group;
- Manage projects and programmes through robust and integrated planning;
- Coordinate deliverables to fulfil project requirements;
- Conceptualise innovate solutions to fulfil project and programme requirements;
- Project coordination planning with the relevant team members and researchers to ensure projects are on brief, budget and time;
- Identify and develop new science engineering & technology (SET) capabilities required for business and impact growth;

- Manage the quality of the outputs (i.e. proposals, reports, client presentations, etc.) to ensure they are of a high standard;
- Build and maintain client responsive teams.

Qualifications, skills and experience:

- A Master's degree in transport network asset management, transport engineering, operations research, systems engineering or equivalent, with at least ten years' relevant working experience;
- A Doctoral degree or working towards one would be an added advantage;
- Should preferably be at a principal level or at least a senior level on the research career path (with publication history, and evidence of national and international recognition);
- Good understanding of transport and the transport sector in South Africa;
- Registered professional scientist or engineer would be an added advantage;
- Ability to work in a methodical manner is essential;
- Ability to carry out strategic stakeholder interactions at all levels;
- Demonstrated ability to secure research funding;
- Excellent business management skills (i.e. budgeting, establishing networks, excellent people skills, etc.);
- Excellent presentation skills (i.e. able to present ideas, concepts, plan and procedures);
- Excellent people management skills (i.e. mentorship, coaching diversity and diversity management);
- Excellent interpersonal and organisational skills;
- Demonstrated track record of the ability to work accurately, independently and efficiently.

Should you meet the above requirements, please email your CV to 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: XXXX)**

Closing date: 26 June 2020

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

*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.***