

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.

Principal Researcher: Transport Engineering/Planning

About the job:

The CSIR has a vacancy for a Principal Researcher: Transport Engineering/Planning in the Transport Management, Design and Systems Research Group, within the Smart Mobility Cluster. The incumbent will provide technical leadership on projects and programmes in areas that include public transport service design, multi-modal transport modelling, intelligent transport systems, and financing of transport systems. This position is based in Pretoria.

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

Key responsibilities:

- Provide effective leadership in multi-disciplinary and multi-agency passenger transport research projects and programmes;
- Develop new avenues in passenger transport research and development;
- Lead the development of toolkits, simulation/forecast models and technology packages for effective deployment in the transport sector;
- Promote a culture of scientific excellence in terms of both quality and delivery;
- Assist the Research Group Leader (RGL) and Competence Area Manager (CAM) to construct and implement a business plan for the competence area (including strategy, goals, mission, HR, finances);
- Establish, build, manage and maintain mutually beneficial and credible stakeholder relationships locally and internationally;
- Support the financial sustainability of the research group, through active networking, developing and managing client relationships, understanding client needs and aligning them with internal needs and capability;
- Prepare reports, guidelines or other documents aimed at disseminating the results and outcomes of projects;
- Provide guidance to researchers and mentorship to interns and learners;
- Raise personal, team and institutional profiles through publishing original research and presenting at national and international conferences and workshops;
- Ensure the quality and delivery of projects and publications in the group by means of technical reviews and quality assurance.

Qualifications, skills and experience:

- A Doctoral degree in civil, industrial, transport engineering, transport planning or applied mathematics;
- Twelve years' field experience in one of the following areas: transport planning, travel surveys, transport modelling, transport decision support systems, traffic engineering and/or statistical analysis;
- Must be registered with a relevant professional body;
- Good understanding of the transport sector in South Africa;
- Excellent interpersonal and organisational skills;
- Ability to continuously disseminate research outputs in the form of technical papers;
- Ability to innovate and generate new knowledge;
- Must have good communication, presentation and writing skills;
- Must have the ability to work accurately, efficiently and independently as well as in a team;
- Must be computer literate as well as have the ability to understand and use domain specialised software;
- Ability to work in a methodical manner is essential;
- Ability to carry out strategic stakeholder interactions at all levels;
- Ability to effectively present ideas, concepts, plan and procedures;
- 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.***