

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.

Senior Researcher: Transport Engineering/Planning

About the job:

The CSIR has a vacancy for a **Senior Researcher: Transport Engineering/Planning** in the Passenger Transport Research Group, within the Smart Mobility Cluster. The incumbent will carry out high impact research and technological innovation in areas that include public transport service design; design and deployment of multi-modal transport networks; and the economics of transport systems. This position is based in Pretoria.

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

Key responsibilities:

- Lead research projects;
- Lead the development of innovative technological interventions in transport systems and operations;
- Lead the development of toolkits, simulation/forecast models and technology packages for effective deployment in the transport sector;
- Establish, build, manage and maintain mutually beneficial and credible stakeholder relationships locally and internationally;
- Prepare reports, guidelines or other documents aimed at disseminating the results and outcomes of projects;
- Provide guidance to candidate researchers and interns;
- Raise personal, team and institutional profiles through publishing original research and presenting at national and international conferences and workshops.

Qualifications, skills and experience:

- An Honours degree in civil/industrial/transport engineering, transport planning or applied mathematics, with at least five years' field experience in one of the following:
 - Transport planning
 - Travel surveys
 - Transport modelling
 - Transport policy review,
 - Transport decision support systems
- A Master's degree in a relevant field will be an added advantage;
- Must be eligible for registration 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 executiverecruitment@csir.co.za with your name and surname, position title and reference number in the subject line, **(e.g. John Smith: Job title: Reference No: 311933)**

Closing date: 04 February 2022

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

For more info, please email us at Recruitment01@csir.co.za. Please **do-not** send your application to this mailbox, it is only for inquiries.

*The CSIR is an equal opportunity employer. As such, it is committed to the employment Equity Act and will through the filling of this vacancy, give preference to candidates from designated groups in terms of the Employment Equity Act. By applying for this position at the CSIR, the applicant understands, and agrees that the CSIR may solicit a credit and criminal report from registered credit bureau and/or South African Police Services (in relation to positions that requires trust and honesty and/or entail the handling of cash or finances), and may also verify the applicant's educational qualification 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.***