

## 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: Energy Systems

#### About the job:

The CSIR has a vacancy for a **Research Group Leader: Energy Systems** in the Energy Centre, within the Smart Places cluster. The incumbent will be responsible for the provision of strategic and technical leadership to a research group, including people management, business development, financial sustainability and operations management. This position is based in Pretoria.

For more info about the impact area or cluster, please visit <https://www.csir.co.za/energycentre> and [https://www.csir.co.za/smart\\_places](https://www.csir.co.za/smart_places) respectively.

#### Key responsibilities:

- Contribute to strategic investment goal setting and development of RDI strategy;
- Implement the research, development and innovation (RD&I) strategy for the group;
- Lead researchers and engineers;
- Promote a culture of science, engineering and technology (SET) excellence and provide RDI leadership of multiple disciplines working in the field of energy systems and the role of energy modelling, power system operation and smart grids in the transition towards renewable energy;
- Ensure that the area remains industry and/or service delivery relevant with national and international standing that is directed at cutting edge;
- Propose and/or contribute to the strategic investment plan and implement Parliamentary Grant, Contract Research and Development and other grant-funded projects;
- Develop and implement a business plan for operation, sustainable growth, impact and robustness of the group (including strategy, goals, mission, HR, finances, technology transfer, IP and commercialization);
- Assume leadership in the provision of technical solutions to client programmes;
- Deeply understand the needs of the industry by integrating sector knowledge in multi-dimensional research and development programs in order to deliver industry aligned RDI;
- Ensure staff development and strategic Human Capital Development;
- Ensure a well-balanced cutting edge SET capability, in terms of the elements of research, engineering design, or systems/enterprise engineering;
- Ensure SET outputs are achieved;
- Deliver on all KPIs of the area and ensure that all outputs are achieved, including transformation, profit and loss, quality, health, safety and environment as per agreed targets;
- Implement and comply with appropriate financial, business systems requirements, including operational approvals;

- Network with peers in the fields expertise within and outside the CSIR;
- Engage with clients and industry partners to develop long term relationships;
- Provide technical support on business development and lead and participate in client interactions;
- Manage projects through planning of appropriate processes and policies to ensure Intellectual Property (IP) protection and technology transfer;
- In collaboration with the Business Development and Commercialization portfolio:
  - Drive the transfer of technology and solutions design to industry/user environment;
  - Package technologies for commercialisation or develop an “investment ready business” through financial modelling market assessment and business plan development.

### Qualifications, skills and experience:

- A Doctoral degree in Science or engineering or energy systems related fields with at least five years’ experience in Energy Research within an RDI environment;
- Recognised expertise as a specialist in the field of Energy Systems Research;
- Experience in the energy systems role in the energy transition, including (for example) energy modelling, power system operations, power system planning, smart grids and micro-grids.
- Sound experience in managing a team of multi-disciplinary professions;
- Proven track record in project management and research project leadership;
- Ability to provide thought leadership and high level conceptualisation;
- Ability to work independently as well as in teams;
- Business Development and financial acumen;
- Excellent communication and presentation skills;
- Conflict management skills;
- Decisiveness and action orientation;
- Project Management skills.
- Appropriate national and international RDI networks;
- An understanding of the research to market ‘innovation’ value chain.

Should you meet the above requirements, please email your CV to [recruitment02@csir.co.za](mailto:recruitment02@csir.co.za) with your name and surname, position title and reference number in the subject line, (eg. **John Smith: Job title: Reference No310663**)

**Closing date: 21 October 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 [Recruitment02@csir.co.za](mailto:Recruitment02@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.***