



Position Details

Research Projects- CSOF3

THE FOLLOWING INFORMATION IS FOR APPLICANTS	
Advertised Job Title	Electronics Technical Officer
Job Reference	86050
Tenure	Indefinite Full-time or Part-time >0.8EFT (by negotiation)
Salary Range	AU\$66k - AU\$84k per annum (pro-rata for part-time) plus up to 15.4% superannuation
Location(s)	Lindfield, Sydney
Relocation Assistance	Will be provided to the successful candidate if required.
Applications are open to	<ul style="list-style-type: none">• Australian Citizens Only
Position reports to the	Team Leader
Client Focus – Internal	90%
Client Focus – External	10%
Number of Direct Reports	0
Enquire about this job	Contact Katie Green via email at katie.green@csiro.au or phone +61 2 9413 7522
How to apply	Apply online at https://jobs.csiro.au/ Internal applicants please apply via Jobs Central If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220.

Acknowledgement of Country

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](#).

Role Overview

The role of Research Projects staff in CSIRO is to collaborate in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

As part of the Mechatronics Engineering team within the Devices and Engineered Systems program, this role will contribute to the development of cutting-edge sensor technologies alongside a multidisciplinary team. The successful candidate will work closely with senior engineers in the team and will support a range of projects through the layout and assembly of PCB's, testing of circuits and systems and fabrication of enclosures.

Duties and Key Result Areas

- Under the guidance of project leaders, plan, design and fabricate electronic devices and systems to support projects across the DES program
- Use skills and expertise in electronics systems, as part of the project team to develop ideas and solutions to meet project requirements
- Assist senior engineers in the development of cutting-edge sensor technologies.
- Layout and assembly of printed circuit boards.
- Make cables as required.
- Fabricate instrument enclosures and fit components into them.
- Test circuits and systems to ensure that they meet the required specifications.
- Prepare for and operate equipment during field trials.
- Under limited supervision, design and perform straightforward experiments and routine laboratory analyses, design new processes or apparatus by adapting existing techniques and components to meet special circumstances or undertake modifications to methods requiring some innovation.
- Perform some non-routine analyses or technology development activities using a range of techniques, often working on a number of parallel and competing tasks.
- Work with discretion to decide on the timing of operations within the work team's plan and plan ahead to meet experimental and/or project demands.
- Independently test possible solutions to resolve identified problems.
- Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO's reputation.
- Work collaboratively as part of a multi-disciplinary, research team to carry out tasks in support of CSIRO's scientific objectives.
- Adhere to the spirit and practice of CSIRO's Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Zero Harm goals.
- Other duties as directed.

Selection Criteria

Essential

Under CSIRO policy only those who meet all essential criteria can be appointed.

1. A relevant trade certificate or diploma such as a TAFE Certificate IV or Diploma or equivalent relevant work experience in electronics and control or electronics and communications.
2. Knowledge of the fundamentals of electronic circuit analysis.
3. To be able to layout simple printed circuit boards.
4. Possess good soldering technique with the ability to solder surface-mount components.

5. Good oral and written communication skills coupled with excellent attention to detail.
6. Demonstrated ability to work collaboratively as part of a multi-disciplinary project team to achieve milestones.
7. Demonstrated ability to be adaptable, adopt new techniques and a willingness to learn new processes.

Desirable

1. Familiarity with 3D printing or other fabrication tools and processes
2. Familiarity with Autocad Inventor (or similar) design software
3. Experience with Altium Designer or other electronics/circuit design tools

Required Competencies

- **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
- **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
- **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
- **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
- **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
- **Adaptability:** Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

- The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
- The successful candidate will be required to obtain and maintain a security clearance at the level NV1.

About CSIRO

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](#) for more information.

CSIRO is a values-based organisation. In your application and at interview you will need to demonstrate behaviours aligned to our values of:

- People First
- Further Together
- Making it Real
- Trusted

Find out more about CSIRO [Manufacturing](#)