



Position Description

College/Division:	ANU College of Engineering and Computer Science
Faculty/School/Centre:	Research School of Electrical, Energy and Materials Engineering
Department/Unit:	Perovskite Photovoltaics Research Group
Position Title:	Research Fellow
Classification:	Academic Level B
Position No:	
Responsible to:	Lead Chief Investigators (CI)
Number of positions that report to this role:	
Delegation(s) Assigned:	

PURPOSE STATEMENT:

The ANU College of Engineering and Computer Science (CECS) is dedicated to contributing to The Australian National University's reputation for excellence in research and research-led education, bringing together expertise across a range of areas to reimagine the role of engineering and computing for future generations.

CECS is a diverse and exceptional community of students, educators, scholars and researchers who embrace the breadth of the computing and engineering professions. We want our people to engage in ground-breaking, cutting-edge research to solve "wicked problems" of the 21st century in collaboration with the best minds in the world from across a broad range of disciplines. Through modern, unique programmes we encourage our students to build a diverse, multidisciplinary skill set that will prepare our graduates to successfully make their future mark in the world. At its core, we will equip our people to ask the right kind of questions from a people-centric, technological and scientific perspective.

Our focus on excellence is more than an aspiration; it is embedded in our performance expectations for Academic staff within the College, through our Academic Performance Standards. These standards are an integral component of our vision to reimagine Engineering and Computer Science research and education, and to continue to propel us on our trajectory of becoming a world-class institution in this space.

The Research School of Electrical, Energy and Materials Engineering is a creative mix of staff and students that embrace the breadth of engineering professions from materials and manufacturing, to robotics, telecommunications and systems, and control of massively complex networks.

All Academic staff within the College are expected to undertake work in all three areas of academic activity; research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the conditions of the funding, the appointees research agenda, School teaching requirements and leadership opportunities within the School environment. The Research Fellow may also be required to supervise or mentor less senior staff, and undertake leadership roles as applicable. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

POSITION DIMENSION AND RELATIONSHIPS:

The Research Fellow will be a member of Research School of Electrical, Energy and Materials Engineering, and is accountable to the Lead CI's and the Director of the School. The Research Fellow will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

Role Statement:

In their role as an Academic Level B, and in conjunction with the CECS Academic Performance Standards, within the College of Engineering and Computer Science the Research Fellow is expected to:

1. Undertake independent high-impact research in the area of perovskite or perovskite/silicon tandem solar cells, with a view to influencing both traditional and non-traditional research outputs on a world stage.
2. Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
3. Contribute to the teaching and education activities of the College, through the redesign, enhancement, and delivery of courses, non-traditional education practices and incorporation of research-led teaching activities

4. Attract and foster an inclusive positive student experience through a positive approach to supervising, student projects at undergraduate, honours, graduate-coursework and HDR levels. Supervise research support staff, and casual teaching staff in the research area.
5. Actively engage with colleagues within the School, College and University as well as broadly across sectors to promote and foster a culture of collegiality and collaboration.
6. Proactively engage in outreach activities to promote and build a positive culture to prospective students, research institutes, industry, government, the media and broader community.
7. Seek out opportunities to contribute to the operations of the School, College and University, including attendance at relevant courses, College and University meetings, and/or representation through Committee membership.
8. Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity.
9. Other duties as required consistent with the classification level of the position.

Skill Base

A Level B academic will undertake independent teaching and research in their discipline or related area. In research and/or scholarship and/or teaching a Level B academic will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A Level B academic will normally contribute to teaching at undergraduate, honours and postgraduate level, engage in independent scholarship and/or research and/or professional activities appropriate to their profession or discipline. The academic will normally undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

SELECTION CRITERIA

1. A PhD in physical, chemical or materials sciences or engineering, or a closely related area.
2. A track record of producing independent and collaborative impactful and innovative research outputs in both traditional and non-traditional academic areas, in the fields of perovskite or perovskite/silicon tandem solar cells, with experience in the design, fabrication and characterisation of relevant advanced materials, solar cells or related devices
3. A demonstrated ability and commitment to apply for competitive external funding to support individual and collaborative research activities.
4. Evidence of the design and delivery of courses, including the use of technology and non-traditional and innovative education practices.
5. Demonstrated supervision of undergraduate, honours and/or masters project students, including experience as HDR student supervisory panel member.
6. Ability to demonstrate leadership within the immediate team, and/or the discipline, through mentoring less senior staff and seeking out opportunities to participate in outreach activities.
7. Excellent English language skills, both written and oral, with a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster inclusive, respectful and productive working relationships with staff, students and colleagues at all levels.
8. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

References: [Academic Minimum Standards](#)