**PURPOSE STATEMENT:**

The School of Engineering in College of Engineering, Computing & Cybernetics (CECC) brings together a diverse and welcoming community who are motivated to seek “wicked problems”. We connect divergent thinkers, to explore and pose solutions that cross the traditional interdisciplinary and global boundaries. We have evolved from our foundational strength in systems thinking, reaching beyond traditional engineering fields. This systems approach embraces our core strengths and has been reshaped around the focus areas. Our research groups are often interdisciplinary and span these focus areas. The Postdoctoral/Research Fellow is 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 external funding conditions that support the appointment, the appointees research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Postdoctoral/Research Fellow may also be required to supervise or assist in the supervision of students, and contribute cooperatively to the overall intellectual life of the School, College and University.

**KEY ACCOUNTABILITY AREAS:**

**Position Dimension & Relationships:**

The Research Fellow will be a member of School of Engineering. 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:**

Under the broad direction of the Transformation Lead, the Senior Communications and Engagement Officer will:

- Undertake independent research in the area of hydrogen storage and broadly nanotechnologies with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national level.
- Collaborate with senior staff to actively seek and secure external funding, assist to prepare and submit research proposals to external funding bodies as appropriate.
- Supervise students working on individual or group projects at undergraduate, honours, graduate coursework levels. Assist with supervision of research students.
- Assist to supervise research support staff in your research area.
- Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
- Maintain high academic standards in all education, research and administration endeavours.

**Position Description.**

- Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
- A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
• Other duties as required that are consistent with the classification of the position.
• Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity.

Skill Base:
A Level B academic will work with the support and guidance from more senior academic staff and is expected to develop their expertise in teaching and research with an increasing degree of autonomy. A Level B academic will normally have completed four years of tertiary study or equivalent qualifications and experience and may be required to hold a relevant higher degree. A Level B academic will normally contribute to teaching at the institution, at a level appropriate to the skills and experience of the staff member, engage in scholarly, research and/or professional activities appropriate to their profession or discipline, and undertake administration primarily relating to their activities at the institution. The contribution to teaching of Level B academics will be primarily at undergraduate and graduate diploma level.

SELECTION CRITERIA:
1. A PhD (or awarding of a PhD within six months of appointment commencement) in Engineering, or equivalent qualifications and experience in a related area, with a track record of independent research in the field of nanoscience and nanotechnologies as evidenced by publications in peer-reviewed journals and conferences. Experience in nanomaterial synthesis and characterisations.
2. Evidence of the ability to articulate and prosecute innovative research in the field of nanotechnologies. Experience in the fields of nano-photonics, quantum photonics, 2D quantum materials integration may be viewed favourably.
3. An ability and commitment to contribute to bids for competitive external funding to support individual and collaborative research activities.
4. Evidence of an ability and willingness to teach at all levels.
5. Demonstrated ability to assist in the supervision of students working on research projects.
6. The ability to work as part of a team and to meet deadlines.
7. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
8. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Signature:  
Date:  
Printed Name:  
Uni ID:  

References:
Professional Staff Classification Descriptors  
Academic Minimum Standards
Pre-Employment Work Environment Report

Position Details

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<th>College/Div/Centre</th>
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<th>Position Title</th>
<th>Classification</th>
<th>Position No.</th>
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<td>Research Fellow</td>
<td>Academic Level B</td>
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In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance [https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook](https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook)
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties.

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<th>regular</th>
<th>occasional</th>
<th>TASK</th>
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</table>

NON-IONIZING RADIATION

- solar
- ultraviolet
- infra red
- laser
- radio frequency

IONIZING RADIATION

- gamma, x-rays
- beta particles
- nuclear particles

CHEMICALS

- hazardous substances
- allergens
- cytotoxics
- mutagens/teratogens/
carcinogens
- pesticides / herbicides

BIOTICAL MATERIALS

- microbiological materials
- potential biological allergens
- laboratory animals or insects
- clinical specimens, including blood
- genetically-manipulated specimens
- immunisations

OTHER POTENTIAL HAZARDS (please specify):

Supervisor/Delegate Name: ___________________________ Date: ___________________________