## Position Summary

The Postdoctoral Fellow will be involved in multidisciplinary research (in collaboration with industry partners), the preparation of funding applications and organisation of the relevant technical documents for promoting the Centre for Advanced Solid and Liquid based Electronics and Optics (CASLEO), at UNSW and a start-up company.

The role of Postdoctoral Fellow reports to Professor Kourosh Kalantar-Zadeh and Dr Dorna Esrafilzadeh and has no direct reports.

## Accountabilities

It is expected that the appointee will progress on a continual satisfactory and upward trajectory in their performance and specific performance expectations will be set individually with the Head of School/Supervisor.

Specific responsibilities for the role include:

* Conduct research in one of the multidisciplinary areas of Chemical, Electrical or Mechanical Engineering, and Chemistry and as part of a team together with an industry partner
* Contribute to the writing of scientific papers and reports for international journals and progress reporting to other researchers and industry partners.
* Become involved in the preparation of grant applications and overseeing funding opportunities and the compliance process
* Assist with the supervision of research students in the research area where required.
* Assist with the coordination of research activities and actively contribute to research outputs to meet project milestones.
* Participate in and/or present at conferences and/or workshops relevant to the project as required.
* Contribute to the preparation of research proposal submissions to funding bodies and actively seek collaboration with industry partners as appropriate.
* Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](https://unsw.sharepoint.com/sites/values-in-action) and the [UNSW Code of Conduct](https://www.gs.unsw.edu.au/policy/documents/codeofconduct.pdf).
* Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

* PhD (or soon to be rewarded) in one of the fields of Chemical, Electrical or Mechanical Engineering, Chemistry, and Material Sciences or related fields
* Demonstrated ability to conduct independent research with limited supervision.
* Demonstrated track record of publications and conference presentations relative to opportunity or in at least one of the fields of chemistry, materials science, electronics, and mechanical engineering.
* Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
* Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders and students.
* An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines.
* Ability and capacity to implement required UNSW health and safety policies and procedures.

PRE EMPLOYMENT CHECKS REQUIRED FOR THIS POSITION

**Verification of qualifications**

About this document

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.