



Australian National University: An exciting opportunity to build your career in defence industry

Project Description:

This project will focus on developing an understanding of the defect-local structure-property relationships of piezoelectric ceramics. Work in the project will include studying how the defect chemistry in the ceramics changes the structural and electro-mechanical properties in piezoelectrics, by using various scattering techniques, such as x-rays, electrons and neutrons. The goal of the project will be to use defect chemistry to modify and tailor the properties of piezoelectrics for various applications.

Project Details:

A scholarship of **\$45,000/pa** for 3.5 years will be provided to one local PhD candidate who has either Australian citizenship (priority) or Permanent Residency.

The project can be started from any time in 2022 or beginning of 2023. The student will have an opportunity to work closely with the Defence Research Institute and industry in Australia, offering a potential for career development in this field.

To be eligible for this scholarship the applicant must have a background in Materials Chemistry, Applied Physics, Electronic or Electrical Engineering, and Materials Science and Engineering. They also require, as stated above, Australian Citizenship or Permanent Residency status.

If you are interested in applying for this opportunity, please contact Professor Yun Liu: yun.liu@anu.edu.au

More information on DMTC's work in this area is available at: [Maritime – DMTC Limited](#)



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