

Postdoctoral Research Associate – Atom Probe
Microscopy Frontiers
The University of Sydney

Direct Link: <https://www.AcademicKeys.com/r?job=141997>

Downloaded On: Aug. 12, 2020 10:42am

Posted May 18, 2020, set to expire Sep. 16, 2020

Job Title	Postdoctoral Research Associate – Atom Probe Microscopy Frontiers
Department	School of Aerospace, Mechanical and Mechatronic Engineering https://sydney.edu.au/engineering/about/school-of-aerospace-mechanical-and-mechatronic-engineering.html
Institution	The University of Sydney Sydney, NSW, Australia
Date Posted	May 18, 2020
Application Deadline	11:30pm, Tuesday, 16 June 2020 (Sydney time)
Position Start Date	Available immediately
Job Categories	Post-Doc Research Scientist/Associate
Academic Field(s)	Physics - Atomic/Molecular/Optical/Plasma Physics - General
Job Website	https://sydney.edu.au/about-us/careers-at-sydney.html
Apply Online Here	https://sydney.nga.net.au/?jati=9E302497-518A-C973-3674-B65EC3649643
Apply By Email	
Job Description	

Postdoctoral Research Associate - Atom Probe Microscopy Frontiers
School of Aerospace, Mechanical and Mechatronic Engineering
Faculty of Engineering

Postdoctoral Research Associate – Atom Probe
Microscopy Frontiers
The University of Sydney

Direct Link: <https://www.AcademicKeys.com/r?job=141997>

Downloaded On: Aug. 12, 2020 10:42am

Posted May 18, 2020, set to expire Sep. 16, 2020

Reference no. 707/0520F

- An opportunity to contribute to research with atom probe tomography at the Australian Centre for Microscopy and Microanalysis (ACMM).
- Located on the Darlington/Camperdown Campus at the Aerospace, Mechanical and Mechatronic Engineering
- Full-time 3 year fixed term Level A, 3 years with a base salary of \$91K - \$101K p.a., plus leave loading and a generous employer's contribution to superannuation

About the opportunity

The School of Aerospace, Mechanical and Mechatronic Engineering is inviting applications for a postdoctoral research associate in Atom Probe Microscopy Frontiers, working at the Australian Centre for Microscopy and Microanalysis (ACMM) on the University's Camperdown campus. The ACMM hosts world class facilities and is renowned for researcher excellence. The successful applicant will have access to an outstanding array of nanostructural analysis equipment, both within the Centre and at our partner nodes.

The aim of this project is to apply the microscopy technique of atom probe tomography to specimens that have been cryogenically cooled during preparation; opening new possibilities for the use of atom probe tomography in disciplines such as chemistry and life sciences. . The new types of specimens that can be analysed include vitrified biological matter, liquids (solutions), surface molecules (ligands), and hydrogen. In the long term, the technique has the potential to lead to radical new discoveries in fields such as health and medicine, chemical processing and agriculture.

About you

The University values courage and creativity; openness and engagement; inclusion and diversity; and respect and integrity. As such, we see the importance of recruiting talent aligned to these values and are looking for a Postdoctoral Research Associate who has:

- a PhD or near completion in Engineering, Science or a related discipline
- excellent proven skills in materials characterisation
- knowledge and experience in one or more of the following techniques: atom probe tomography, transmission electron microscopy (TEM), electron backscatter diffraction (EBSD), transmission Kikuchi diffraction (TKD) and associated sample preparation techniques including focused ion beam (FIB) technology

Postdoctoral Research Associate – Atom Probe
Microscopy Frontiers
The University of Sydney

Direct Link: <https://www.AcademicKeys.com/r?job=141997>

Downloaded On: Aug. 12, 2020 10:42am

Posted May 18, 2020, set to expire Sep. 16, 2020

- proven ability to work autonomously and manage deadlines and project needs

About us

The School of Aerospace, Mechanical and Mechatronic Engineering (AMME) is one of Australia's premier engineering schools with an international reputation built on more than 130 years' experience. It is home to some of Australia's most prominent research centres in the fields of aerospace, biomedical, mechanical and mechatronic engineering, including the Australian Centre for Field Robotics (ACFR), the Centre for Robotics and Intelligent Systems (CRIS), the Institute of Biomedical Engineering and Technology (BMET) and the Centre for Advanced Materials and Technology (CAMT).

To learn more about the School of Aerospace, Mechanical and Mechatronic Engineering click [here](#)

Since our inception 160 years ago, the University of Sydney has led to improve the world around us. We believe in education for all and that effective leadership makes lives better. These same values are reflected in our approach to diversity and inclusion and underpin our long-term strategy for growth. We're Australia's first university and have an outstanding global reputation for academic and research excellence. Across our campuses, we employ over 7600 academic and non-academic staff who support over 60,000 students.

We are undergoing significant transformative change which brings opportunity for innovation, progressive thinking, breaking with convention, challenging the status quo, and improving the world around us.

How to apply

For more information on the position and University, please view the position description available from the job's listing on the University of Sydney careers website.

All applications must be submitted via the University of Sydney careers website. Visit <https://sydney.edu.au/about-us/careers-at-sydney.html> and search by the reference number 707/0520F to apply.

Closing date: 11:30pm, Tuesday, 16 June 2020 (Sydney time)

The University of Sydney is committed to diversity and social inclusion. Applications from people of culturally and linguistically diverse backgrounds; equity target groups including women, people with disabilities, people who identify as LGBTIQ; and people of Aboriginal and Torres Strait Islander

Postdoctoral Research Associate – Atom Probe
Microscopy Frontiers
The University of Sydney

Direct Link: <https://www.AcademicKeys.com/r?job=141997>

Downloaded On: Aug. 12, 2020 10:42am

Posted May 18, 2020, set to expire Sep. 16, 2020

descent, are encouraged.

© The University of Sydney

The University reserves the right not to proceed with any appointment.

EEO/AA Policy

We are committed to diversity and social inclusion. We welcome applications from women (particularly for senior and non-traditional roles), Aboriginal and Torres Strait Islander people, people with a disability, people who identify as LGBTIQ, and people from culturally and linguistically diverse backgrounds.

(c) The University of Sydney

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

The University of Sydney
Sydney
Australia