

0118149 Postdoctoral Research Associate in Coherent
Diffraction Imaging
University of Sydney

Direct Link: <https://www.AcademicKeys.com/r?job=235617>

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Posted May 6, 2024, set to expire Sep. 4, 2024

Job Title 0118149 Postdoctoral Research Associate in Coherent Diffraction Imaging

Department Faculty of Engineering

Institution University of Sydney
Sydney, New South Wales, Australia

Date Posted May 6, 2024

Application Deadline Jun. 5, 2024

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Electrical and/or Electronics
Computer Engineering
Optics & Optical Engineering

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Job Description

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Full time, fixed term for 3 years

- **Join a collaborative team of researchers in Electrical and Computer Engineering**
- **Base Salary \$101K - \$112K + 17% superannuation**

About the opportunity

The [School of Electrical and Computer Engineering](#) at the University of Sydney is seeking to appoint a Postdoctoral Research Associate to conduct in-depth research in coherent diffraction imaging.

Your key responsibilities will be to:

- contribute to research publications and present findings at relevant journals and conferences,
- participate in the preparation and submission of research grants,
- implement the experimental setup of high harmonic generation based imaging system,
- provide guidance and mentorship to junior team members and assist in their research projects.

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 in Coherent Diffraction Imaging** who has:

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a PhD (or near completion) in the relevant field of optoelectronics, physics or electrical engineering

- demonstrated skills/knowledge/experience in coherent diffraction imaging, phase retrieval or relevant fields
- strong hands-on experimental skills in ultrafast lasers, high harmonic generation or relevant fields
- proficient skills in Matlab, Python, or C++
- demonstrated contributions to publications in top tier journals and conferences

Pre-employment checks

Your employment is conditional upon the completion of all role required pre-employment or background checks in terms satisfactory to the University. Similarly, your ongoing employment is conditional upon the satisfactory maintenance of all relevant clearances and background check requirements. If you do not meet these conditions, the University may take any necessary step, including the termination of your employment.

EEO statement

At the University of Sydney, our shared values include [diversity and inclusion](#) and we strive to be a place where everyone can thrive. We are committed to creating a University community which reflects the wider community that we serve. We deliver on this commitment through our people and culture programs, as well as key strategies to increase participation and support the careers of [Aboriginal and Torres Strait Islander People](#), [women](#), [people living with a disability](#), [people from culturally and linguistically diverse backgrounds](#), and those who identify as [LGBTIQ](#). We welcome applications from candidates from all backgrounds.

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How to apply

Applications (including a cover letter, CV, and any additional supporting documentation) can be submitted via the **Apply** button at the top of the page.

For employees of the University or contingent workers, please login into your [Workday](#) account and navigate to the Career icon on your Dashboard. Click on USYD Find Jobs and apply.

For a confidential discussion about the role, or if you require reasonable adjustment or support filling out this application, please contact Rebecca Astar or Cherie Goodwin, Recruitment Operations, at recruitment.sea@sydney.edu.au.

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

Click to view the [Position Description](#) for this role.

EEO/AA Policy

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Contact Information

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

Contact Rebecca Astar
Recruitment Operations
The University of Sydney
Sydney
Australia

Contact E-mail recruitment.sea@sydney.edu.au