Associate Professor/Professor in Software Engineering (Education Focused)
University of Sydney

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Posted Sep. 18, 2024, set to expire Jan. 18, 2025

Job Title	Associate Professor/Professor in Software Engineering (Education Focused)
Department	School of Electrical and Computer Engineering
Institution	University of Sydney
	Sydney, , Australia
Date Posted	Sep. 18, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Associate Professor
	Professor
Academic Field(s)	Computer Science
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Job Description	

Associate Professor/Professor in Software Engineering (Education Focused)

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(Education Focused)
University of Sydney

Faculty of Engineering, School of Electrical and Computer Engineering

Reference no. 0124115

- Based at Camperdown Campus, Sydney, close to parks, public transport hubs and shopping districts

- Join the Sydney Horizon Educators cohort in the Faculty of Engineering

- Continuing full-time position with an attractive remuneration package

- Access up to AUD$30K to support education-related activities, including education-related research and education-related professional development and learning

About the opportunity

The University of Sydney welcomes applications for an **Associate Professor/Professor in Software Engineering (Education Focused)** in the Faculty of Engineering.

As one of the world's leading engineering and technology colleges, the Faculty of Engineering is dedicated to internationally recognized excellence in both teaching and research. We collaborate with global leaders from business, industry, and academia, fostering partnerships that expand the global perspective of our staff, researchers, and students. By encouraging diverse forms of collaboration, we aim to deepen knowledge, broaden horizons, and create holistic solutions to today's most pressing challenges.

The School of Electrical and Computer Engineering is dedicated to innovative teaching and research for the digital world. We undertake research across a range of electrical engineering disciplines, emphasising future energy networks, wireless communications, computer, software, photonics and the Internet of Things.

With the introduction of the new University of Sydney Enterprise Agreement 2023-26, the University has committed to establishing and advertising new continuing education focused academic positions. The positions are for talented educators with a passion for, and demonstrated excellence in, teaching, curriculum design, educational practice and innovation, as well as research capability (in disciplinary and/or education-related research). This newly recruited group of educators are recognised both

internationally and within the university for their expertise in educational delivery and will support an uplift in the teaching capability and student experience at the University of Sydney.

Successful candidates will join the Sydney Horizon Educators cohort. For further insights into this exciting opportunity, we invite you to watch this video.

The Associate Professor/Professor in Software Engineering (Education Focused) dedicates the majority of their contribution to teaching and teaching-related activities (up to 70%), with a minimum of 20% research and 10% governance, service, and engagement. Additionally, you will mentor junior academics, providing advice on teaching methodologies, education research approaches, publications, and career advancement.

You will exhibit educational leadership, guiding the School, Faculty and University in strategic planning, setting educational goals, and shaping educational policies and initiatives. Furthermore, you will lead industry collaboration and outreach activities, establishing partnerships for internship opportunities, organising industry panels to review curricula, and conducting outreach to amplify the impact of our software engineering program.

As a key member of the School, you will oversee the organisation and delivery of courses within the software engineering program, working closely with fellow academics and addressing student consultations. An important focus will be leading curriculum review and improvement, continuously leveraging student feedback to enhance instructional materials. You will play a pivotal role in course design and development, proposing and crafting new courses that meet our educational objectives, such as Requirements Analysis, Software Process and Quality, Programming and Trustworthy AI Software Systems, among others.

Designed for a dynamic and innovative educator, the Associate Professor/Professor in Software Engineering (Education Focused) will deliver effective teaching across a broad spectrum of software engineering courses, including but not limited to Software Development, Machine Learning, Computer Systems, and Networks. A commitment to research and scholarship in educational methodologies, technology, and pedagogical approaches within software engineering will be fundamental.

The role demands active engagement with educational technology, upholding academic integrity, and contributing to educational committees.

About you

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We are looking for an outstanding educator in the field of software engineering to provide educational leadership within the School. **Applicants should possess the following qualifications and attributes, and include a response to each of the Selection Criteria as part of their application:**

- A completed PhD in Software Engineering or a related area

- Deep knowledge of software engineering including but not limited to software development, machine learning, computer systems, and networks

- History of a strong commitment to research and scholarship in educational methodologies, technology, and pedagogical approaches within software engineering

- Proven international standing for academic excellence demonstrated through original, innovative and distinguished contributions to scholarship and research

- A strong dedication to teaching excellence, with a notable track record for enhancing student outcomes and pioneering educational innovations

- An established network of relationships with key academic, industry and professional institutions, partners and stakeholders with the ability to integrate these relationships to assist in curriculum development and student learning

- Demonstrated community service with significant contribution to governance and collegial life within the university, including undertaking significant administrative and/or committee positions.

Term and remuneration

The successful candidate will be offered a continuing position on a full-time basis and will be offered a competitive remuneration package commensurate with the responsibilities of the position and the candidate's relevant experience and qualifications.

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How to apply

Applications **(including a CV and cover letter outlining how your skills, capabilities and experience meet the requirements for the role**) must be submitted via the link above. Please refer to the candidate information brochure for further details.

CANDIDATE INFORMATION BROCHURE

If you are a current employee of the University or a contingent worker with access to Workday, please login into your Workday account and navigate to the Career icon on your Dashboard. Click on USYD Find Jobs and apply.

For a copy of the candidate information brochure, a confidential discussion about the role, or if you require reasonable adjustment or support filling out this application, please contact:

Tracy-Ann Gordon (Senior Talent Partner, Recruitment Operations, Human Resources) on +61 28627 6820 or by email tracy-ann.gordon@sydney.edu.au

Other

To keep our community safe, please be aware of our COVID safety precautions which form our conditions of entry for all staff, students and visitors coming to campus.

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.

Visa sponsorship and relocation assistance will be provided if required.

EEO statement

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At the University of Sydney, our shared values are trust, accountability and excellence and we strive to be a place where everyone can thrive. We are committed to creating a University community that thrives through diversity and reflects the wider community that we serve. We deliver on this through our commitment to diversity and inclusion, evidenced by 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.

We are proud to be recognised as an Australian Workplace Equality Index (AWEI) Gold employer. Find out more about our work on diversity and inclusion.

Closing date for applications

11.59pm, Monday 2 December 2024

How to apply

Please click here to apply

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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

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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