

Position Description

Professor, Software Engineering



Details

Area	Faculty of Science, Engineering and Built Environment
Team / School	School of Information Technology
Employment	Full-time, ongoing
Location	Burwood
Classification	Level E
Manager Title	Head of School

Deakin

Deakin is a Victorian university with a global impact. We are agile and innovative, and committed to making a positive impact through our excellence in education and research and the contributions we make to the wider community.

Our reputation has been built on the dedication and expertise of our staff. We offer a dynamic, diverse and inclusive working environment with opportunities to grow and develop careers. We believe that a progressive, thriving culture will ensure people choose to come, and stay at Deakin and contribute to our ongoing success.

As one of Australia's largest universities, Deakin has strong global linkages, world-class research and an education portfolio that blends the best of campus and digital delivery into a highly supportive and personalised student experience.

We offer outstanding education founded on the experience we create for our learners and guided by graduate outcomes for successful lives and careers. We undertake globally significant discovery research that benefits our communities through the innovative translation of our ideas into new services, products, policies and capabilities.

At Deakin we value diversity, embrace difference and nurture an inclusive, safe and respectful community. Deakin is an Employer of Choice for Gender Equality, a SAGE Athena SWAN Bronze Award holder, seeking gender equity for Women in STEMM, and a Silver Award holder in the Australian Workplace Equality Index for LGBTQ inclusion. We strongly encourage applications from Aboriginal and Torres Strait Islander people and people of all cultures, abilities, sexualities and genders.

[Strategic Plan – Deakin 2030: Ideas to Impact](#)

[Benefits of working at Deakin](#)

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Overview

The Professor will be responsible for providing outstanding leadership in research, teaching and engagement in the area of Software Engineering. The appointee will promote the Software Engineering discipline and the School, providing leadership within the academic and professional communities in Australia and internationally. The appointee will contribute to leadership of the School's teaching, research, and industry engagement program development and service at national and international levels.

Responsibilities

Education and Employability

- Maintain deep discipline knowledge which is applied to inform unit design in the area of Software Engineering
- Continually seek to improve academic standards and make a distinguished contribution to teaching and educational innovation in the University
- Provide leadership in curriculum development, course design, and innovation in teaching, including the provision of feedback and more general mentoring, taking account of national and international developments
- Guide and assist less experienced colleagues to develop their teaching capacity and more generally in developing the careers of these junior staff
- Lead teaching teams to develop effective unit curricula and learning resources (including through unit and course leadership roles) which influence teaching across their discipline and the School
- Adopt innovations in curriculum design at the unit level
- Deliver learner-centric, research and industry-informed active learning teaching practices across different levels / modes of delivery
- Integrate industry and research practice to inform unit / course design
- Contribute to reviews of units and courses and implement refinements
- Lead the development and coordinated integration of innovative teaching practices across disciplines within the University
- Provide clear assessment rubrics and timely feedback to learners to demonstrate learning outcomes
- Lead moderation of assessment tasks at the discipline level and implement innovative practices to improve learning outcomes
- Apply industry and research practice into student learning experiences and resources
- Support diverse learners by designing accessible and inclusive learning experiences and resources at the discipline level
- Design collaborative learning opportunities that span the disciplines within the School and University and involve learners, teachers and the community
- Provide academic support to students within units and courses
- Work collaboratively to improve student support services to optimize student outcomes
- Lead systematic mentoring programs to improve teaching practices
- Contribute effectively to culture of educational excellence and engages collaboratively with peers
- Support collaboration with other education institutions
- Complete Graduate Certificate in Higher Education Learning and Teaching

Position Description

Professor, Software Engineering



- Build teaching and learning capability related to discipline or pedagogy, and lead the professional development of other academics
- Advance knowledge within their specific fields/areas of teaching scholarship
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Research and Innovation

- Lead and develop productive, high-quality research teams to undertake significant research programs, scholarship and creative activities generating high impact outputs in the area of Software Engineering
- Provide leadership in their discipline, fostering the research, scholarship and innovation of other individuals and groups within their School, Strategic Research Centre (SRC) or Institute, their discipline, and related disciplines
- Develop and lead academic or other collaborations that enable novel research or creative activities recognised nationally and internationally
- Widely communicates outputs to discipline(s), other sectors and the community, including nationally and internationally
- Ensure impact of academic activity in the field and the community
- Lead teams and succeeds in funding opportunities for research and creative activities, demonstrating sustained successes
- Demonstrate sustained and expanding national and international reputation amongst world leaders for substantial and growing body of work, recognized quality, excellence and impact
- Lead development of intra- and inter-disciplinary research collaborations, to enable major breakthroughs in knowledge and understanding and solutions to complex problems
- Support the development and promotion of the School research collaboration agenda and priorities
- Develop and lead industry partnerships and collaborations to enable major breakthroughs, innovative solutions for future translation into real world impact
- Lead applications for external competitive and other funding with sustained effort and success
- Secure grants that enable teams to thrive, including less experienced colleagues as well as Postgraduate and Honours students.
- Guide and assist less experienced colleagues to develop their capacity for research, and more generally develop their careers.
- Demonstrate sustained and expanding track record of timely delivery of outcomes for industry partners, with national and growing international recognition
- Develop and leads major projects of innovation and translation into policies, frameworks, strategy, priority setting and other outcomes to create positive impact
- Demonstrate sustained and significant portfolio of policy and strategy influence, generation of products, services or other innovations with positive real-world impact, with national recognition
- Demonstrate timely delivery of commercialisation and translation outcomes
- Recruit and supervise Honours and/or HDR students with timely completions and productive, high quality outcomes
- Provide effective mentoring to Honours and HDR students to support professional and career development and employability
- Lead and develops initiatives that ensure widespread adoption of culture of research excellence, innovation and impact

Position Description

Professor, Software Engineering



- Develop and assists industry partnerships that provide research students, ECRs and MCRs with industry experience

University Citizenship and Engagement

- Lead by example to foster collegiality with students and academic and professional staff at all levels within the University, thereby enhancing student and staff engagement and satisfaction.
- Play a constructive role in the appointment, confirmation and promotion processes for academic and professional staff.
- Play a significant role in shaping their discipline in the national and international academic community and lead its development across the University.
- Engage with and contribute to the national and international organisations of their discipline or profession, including relevant industry bodies and associations.
- Engage (and encourage the engagement of others) with their discipline to advance the image and reputation of the University locally, nationally and internationally. That image will be enhanced by excellent research and teaching, upholding the highest ethical standards, receipt of awards and participation in major conferences.
- Lead the development and significantly contribute to citizenship activities and effectiveness as champion at local and university level
- Support the development of university's strategic agenda at discipline/school
- Lead the implementation of the strategic agenda at discipline/School level
- Demonstrate delivery of material outcomes aligned with Deakin strategic agenda and Deakin community engagement agenda through formal and informal leadership and contributory roles to deliver core outcomes
- Lead the development and significantly contribute to community engagement activities
- Support the development of the University's community engagement agenda

Relationships

- Internal relationships: School-based Research Labs and Centres including the Centre for Software Engineering and Innovation, Centre for Cyber Security Research and Innovation (CSRI), Centre for Research in Assessment and Digital Learning (CRADLE), University Research Institutes
- External relationships: Australian Computer Society, Engineers Australia, relevant industry and government partners

Selection

Qualifications and experience

- PhD in a relevant discipline and/or other relevant qualifications and experience
- Distinguished record of scholarly learning and teaching in UG and/or PG programs, including innovative curriculum design
- Internationally recognised research reputation underpinned by publications in high quality journals and conferences
- Success in obtaining and timely completion of competitive external research grants
- Successful engagement with research, community, industry and government to enhance the national and international standing of the discipline

Position Description

Professor, Software Engineering



- Demonstrated success and passion for leadership of teaching, research and/or administration
- Excellent interpersonal skills and a proven ability to establish good working relationships with colleagues

Capabilities

- **Digital Literacy:** Interprets and distils information; produces clear communications through a variety of digital platforms
- **Collaboration:** Proactively supports working together, shares ideas and provides constructive feedback; respects and values others
- **Emotional Intelligence:** Recognises emotions in self and others; uses emotional cues to guide thinking and behaviour
- **Building Networks and Partnerships:** Identifies and invests in relationships essential for growth and positive outcomes
- **Communicating with Influence:** Engages and energises others through clear and persuasive communication
- **Personal Resilience:** Maintains composure and focus under pressure, adapts to changing situations and recovers from setbacks

Special Requirements

- Frequent/Regular/Infrequent travel will be required (e.g., interstate or overseas travel is required or regular travel within Victoria, not including between campuses)
- Working with Children Check (refer to Recruitment Procedure)
- National Police Record Check (refer to Recruitment Procedure)

Note

The intention of the position description is to provide an outline of scope and responsibilities, at a point in time. Please note, responsibilities may evolve in accordance with organisational needs.