Position Description

Lecturer, Electronics Engineering

Position No: TBA

Business Unit: Provost

School: Computing, Engineering and Mathematical Sciences

Department: Engineering

Classification Level: Level B (Teaching & Research)

Employment Type: Full-Time, Continuing

Campus Location: Melbourne (Bundoora)

Other Benefits: http://www.latrobe.edu.au/jobs/working/benefits

Further information about:

La Trobe University - http://www.latrobe.edu.au/about

Position Context/Purpose

This position is located in the Department of Engineering, part of the School of Computing, Engineering and Mathematical Sciences in Melbourne (Bundoora) campus. The school has three departments: Computer Science and Information Technology, Engineering, and Mathematical and Physical Sciences on both Melbourne (Bundoora) and Bendigo campuses. The school hosts three Research Centres: the Centre for Technology Infusion (CTI), the CISCO Latrobe Centre for Artificial Intelligence and Internet of Things, and the Centre for Materials and Surface Science, and one Research Node: the Cybersecurity Innovation Node. The school has a reputation for innovative course design, the maintenance of a supportive student-centered learning environment and an outstanding research profile. The school offers a range of general and specialist undergraduate and postgraduate courses that are rigorous, attuned to emerging trends and taught by staff at the forefront of their fields.

The Engineering department at La Trobe continues to expand and revitalise its programs with an innovative curriculum that incorporates strong industry engagement. The department leads various industry sponsored multi-disciplinary research projects with national and international linkages.

Please note: The University may require this role to work at both the Bundoora and Bendigo campuses.

Duties at this level will include:

- Develop, coordinate and teach a high-quality learning experience that engages students through the conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions.
- Participate in the incorporation of advanced Industry 4.0 technologies into existing and new curriculum, including IoT, robotics and automation, AI, machine learning, and cyber-physical systems.
- Demonstrate a scholarly approach to learning and teaching and contribute to disciplinary teaching pedagogy and research.
- Keep abreast of innovations in teaching and learning in areas such as, but not restricted to, online and blended delivery and incorporate where appropriate, to continually develop professional practice skills/knowledge and expertise.
- Participate in innovative course level curriculum design, development and review.
- Conduct and publish, or otherwise disseminate high quality and/or high impact research as a member of a team or independently and produce conference/seminar papers and publications from that research.
- Contribute to a robust and ambitious research culture by participating in writing up research findings for publication and dissemination.
- Participate in interdisciplinary research projects that involve multiple departments, focusing on the application of automation and digitalisation in various sectors such as manufacturing, healthcare, and smart cities.
- Co-supervise or, where appropriate supervise Higher Degree by Research (HDR) postgraduate students as required.
- With mentoring support, obtain necessary research funding from external funding sources.
- Contribute to building relationships at local and national level.
- Undertake other duties and administrative functions commensurate with the classification and scope of the position as required by the Head of Department or Dean.

Essential Criteria

Skills and knowledge required for the position

- PhD or equivalent accreditation and standing recognised by the University/profession as appropriate for the relevant discipline areas.
- Understanding of key Industry 4.0 technologies such as artificial intelligence, machine learning, the Internet of Things (IoT), robotics, big data analytics, and cyber-physical systems.
- Demonstrated competence in teaching and curriculum development.
- Ability to implement innovative teaching methods, including project-based learning, flipped classrooms, and the use of advanced digital tools to enhance student engagement and learning outcomes.
- Evidence of high quality and/or high impact research conducted and published or otherwise disseminated, relative to opportunity.
- Demonstrated ability to supervise, or co-supervise, honours and postgraduate students.
- Sound analytical skills with an ability to communicate complex information clearly both verbally and in writing.
- High level organisational skills with the ability to set priorities, meet deadlines, initiate and follow-up actions, all with minimal or no supervision.
- High level verbal and written communication skills, including the ability to interact effectively with people from a diverse range of backgrounds.
- Demonstrated ability to work collaboratively and productively with staff and students from a diverse range of backgrounds.
- Experience in the preparation of research proposal submissions to external funding bodies and evidence of success in securing research funding.

Capabilities required to be successful in the position

- Ability to demonstrate self-awareness, see things from another person's perspective and actively seek out and act on feedback to improve knowledge, skills and behaviour.
- Ability to work collaboratively, recognise the value of diversity and model accountability, connectedness, innovation and care.
- Ability to think creatively, explore new ideas and respectfully challenge existing practices in order to improve current ways of working.
- Ability to implement improvements to local processes.

Essential Compliance Requirements

To hold this La Trobe University position the occupant must:

- hold, or be willing to undertake and pass, a Victorian Working With Children Check; AND
- take personal accountability to comply with all University policies, procedures and legislative or regulatory obligations; including but not limited to TEQSA and the Higher Education Threshold Standards.

Other Information

The position description is indicative of the initial expectation of the role and subject to changes to University goals and priorities, activities or focus of the job.

Position Flexibility

We offer flexible work arrangements that can assist you in balancing your work and other responsibilities.

Why La Trobe:

- Develop your career at an innovative, global university where you'll collaborate with community and industry to create impact.
- Enjoy working on our inspiring and stunning campuses – the perfect hub for industry, students and academics
- Help transform the lives of students, partners and communities now and in the future

This is more than just a job. Working at La Trobe offers opportunities to demonstrate excellence and transform lives.

Here, you'll join exceptional people, partners and communities, who power our operations with ambition and purpose.

Our success can be attributed to its strong sense of community. We have a long-standing commitment to diversity, inclusion and social justice; we are committed to providing a workplace where all staff feel valued, respected and supported to achieve their full potential. We strive to build a workplace where all employees of diverse backgrounds, abilities, experiences, sexuality, gender, religion and age are welcome, valued, respected and one that is representative of our community. We demonstrate our cultural qualities by holding ourselves accountable and creating a culture of trust and innovation while genuinely caring for one another.

La Trobe's Cultural Qualities:

WE ARE CONNECTED

We are **connected** to each other and the communities around us. We engage with those communities to learn from our past, inform our present and impact our future.

WE ARE INNOVATIVE

We are **innovative** in tackling the most important issues of our time. We are inquisitive and seek to develop new ideas that positively impact the way we work and the world around us.

WE ARE ACCOUNTABLE

We are **accountable** for what we do and share a commitment to excellence. We are courageous and respectful in the way we hold ourselves and each other to account.

WE CARE

We **care** about what we do and value the power of education and research. We care about each other and strive to create a safe and inclusive community.

For Human Resource Use Only

Initials: Date: