Position Description

Cisco Chair in Internet of Things

Position No:	New
Department:	Computer Science and Information Technology
School:	Engineering and Mathematical Sciences
Campus/Location:	Multi-campus (Bendigo and Melbourne)
Classification:	Professor (LEVEL E)
Employment Type:	Full-time, Fixed Term 3 years
Position Supervisor: Number:	Head, School of Engineering and Mathematical Sciences 50000651
Other Benefits:	http://www.latrobe.edu.au/jobs/working/benefits

Further information about:

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

College of Science, Health and Engineering – http://latrobe.edu.au/she

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Position Context

La Trobe University and Cisco signed a Collaboration Agreement in 2017. The Agreement committed each party to a range of collaboration initiatives which also includes input and advice into advanced networking and the Internet of Things (IoT) curriculum, interactive learning and teaching technologies, industry integrated learning, and professional development programs.

One important component of the collaboration initiatives is the establishment of a Cisco Chair of the Internet of Things. It is envisaged that the Cisco Chair will be a prominent academic appointment within La Trobe's College of Science, Health and Engineering (SHE), which comprises 9 Schools and 16 Departments across La Trobe's multi-campus operations. The position will be placed in the School of Engineering and Mathematical Sciences (SEMS) which has over 90 academic staff in three departments: Engineering, Computer Science and Information Technology, and Mathematics and Statistics in Melbourne (Bundoora) and Bendigo.

The School has a reputation for innovative course design, a supportive student-centred 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. Graduates are valued for the high-level technical skills they develop during their course and for their ability to adapt to new developments based on sound theoretical and conceptual foundations.

A Professor (Level E) teaching and research academic is expected to be an internationally acknowledged leader in their discipline or professional field. They will provide discipline leadership and foster excellence in teaching and research. They will design and lead curriculum development, teaching and conduct and publish, or otherwise disseminate, the highest quality and/or impact research/scholarship. They will also foster excellence in teaching and research/scholarship in that discipline or professional field at La Trobe, and through relevant national and international external bodies. All Professors are members of the University's Academic Board and are expected to contribute to the leadership not only of their School and College, but also of the University as a whole.

In recognition of the importance to La Trobe of the partnership with Cisco, this role will work closely with Cisco and its partners, including both industry partners and University partners outside Victoria.

La Trobe is a participant in the Athena SWAN Charter to enhance gender equality in Science, Technology, Engineering, and Mathematics disciplines. As such, we especially encourage female applicants to apply.

Duties at this level may include:

La Trobe University

- Strategic leadership
    - Conduct and lead innovative and high impact research at an internationally distinguished level and produce high quality publications resulting from that research.
    - Obtain research income from a variety of sources, including nationally competitive grants, individually, and with other colleagues in the College/University and external partners.
    - Provide leadership, foster excellence and the advancement of the research discipline.
    - Contribute to broader leadership processes with the University.
    - Build collaborative and sustainable relationships with, and act as expert advisor/consultant to industry and other external organisations, with a particular focus on Cisco and its industry partners as per the Cisco business duties described below.

- o   Promote and represent the University and discipline/profession by participating in appropriate local, national and international organisations and events.
- Leadership and management of learning and teaching and student experiences
  - o   Provide academic leadership in the cyber-physical systems area, particularly in IoT, at undergraduate and postgraduate levels, lead course-level curriculum design and lead in the development and implementation of other modules and nested programs, including articulations from TAFE institutes and micro-credentials with industry partners and industry associations.

  - o   Develop, coordinate and teach subjects and courses which provide a high quality learning experience that engage and motivate students, leading where appropriate.
  - o   Encourage and promote a robust and innovative research culture at all levels within the University.
  - o   Lead, mentor and develop the research performance of more junior colleagues within the School/College/University.
  - o   Supervise Higher Degree by Research (HDR) students.
  - o   Participate in community and professional activities related to the discipline, including involvement in commercial and industrial sectors where appropriate.
  - o   Undertake other duties commensurate with the classification and scope of the position as required by the Head of School.

Cisco Business

- Represent Cisco at up to five Cisco customer and/or media events per year. These events may include, subject to availability due to teaching, research and University leadership commitments: Executive Sessions (e.g. Strategic Advisory Board, Executive Collective), select customer Thinkspace sessions, internal Cisco sessions, select customer engagements across private enterprise and government, and media commentary as required.
- Provide at least two reports per year in support of the Cisco business strategy.
- Establish a virtual facility at La Trobe University to:
  - o   Allow Cisco to access research, receive guidance and inform solutions to real-world problems in the field of the Internet of Things that may apply to Cisco, other industry partners, other educational institutions, government agencies and Cisco enterprise customers.
  - o   Enable both Cisco and La Trobe University to work together with Cisco business customers to understand objectives and recommend solutions.
- Promote the Cisco/La Trobe University partnership in the Internet of Things where possible and relevant, at all public-facing engagements as well as on public social and online forums.
- Participate, where possible (subject to availability due to teaching, research and University leadership commitments), in opportunities to join Cisco business-sponsored national and international events and/or attend international visits with select customers.
- Provide two internal Cisco business executive session briefings per annum on topics such as trends, challenges and opportunities in the field of the Internet of Things.

Key Selection Criteria
- A PhD in a relevant discipline or equivalent experience.
- Distinguished record of original, innovative and internationally recognised research and/or teaching, with evidence of its impact and significance. This should clearly identify the candidate as either an established global leader in Cyber-Physical Systems and the Internet of Things or a closely related discipline, and/or demonstrate the capacity to quickly establish the candidate as a global leader in the Internet of Things.

- Demonstrated effective leadership and management experience in building and leading teams.
- Strong record of external research funding through competitive grants, contracts and/or consultancies; and the financial management of grants.
- Evidence of achievement in fostering, mentoring and supporting the development of others, including early career staff.
- A sustained record of successful PhD student supervision.
- Demonstrated evidence of and commitment to the highest quality teaching.
- Evidence of leadership in teaching and curriculum development.
- Excellent interpersonal skills, especially the capacity to work collaboratively and cooperatively.

DESIRABLE

- Graduate Certificate in Higher Education or equivalent

Other relevant 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.

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.

La Trobe Cultural Qualities

Our cultural qualities underpin everything we do. As we work towards realising the strategic goals of the University, we strive to work in a way which is aligned to our four cultural qualities:

- We are *Connected*: We connect to the world outside — the students and communities we serve, both locally and globally.
- *We are Innovative*: We tackle the big issues of our time to transform the lives of our students and society.
- *We are Accountable:* We strive for excellence in everything we do. We hold each other and ourselves to account, and work to the highest standard.
- *We Care:* We care about what we do and why we do it. We believe in the power of education and research to transform lives and global society. We care about being the difference in the lives of our students and communities.