# Job Description

Job Title: Professor/Associate Professor (2 vacancies) and Head of Department

Job ID: 2407

Location: Electrical and Computer Eng Full/Part Time: Full-Time Regular/Temporary: Regular

Position Overview

## Professor/Associate Professor (2 vacancies) and Head of Department Department of Electrical and Computer Engineering

* Professor/Associate Professor in Mechatronics/Robotics/Embedded Systems
* Professor/Associate Professor in Sensors/Communications Networks
* Head of Department

We invite applications for two (2) continuing (permanent or tenured) professorial appointments, one of which will include the Head of Department role (fixed-term).

The Department specialises in electric power engineering, nanotechnology, control, communications, signal and image processing, computer engineering, and mechatronics. The Department has 16 academic staff, approximately 250 undergraduate students and 60 postgraduate students, undertakes world class research, and has excellent facilities.

In 2012 the University of Canterbury commenced a 10-year programme to remediate its campus buildings. As part of this programme, this currently involves the modernisation and extension of the Department’s buildings, which will be completed by 2016. This will allow us to increase student numbers and provide a centre of excellence in electrical and computer engineering studies.

The Department has very close connections with the Electric Power Engineering Centre and the MacDiarmid Institute for Advanced Materials and Nanotechnology.

The two professorial appointments will be in the ranges from Associate Professor to Professor, depending on the specific qualifications and experience of each appointee. Candidates will have a PhD degree or equivalent, and should ideally have a strong teaching and research record in mechatronics/robotics or sensor/communications networks, but other areas will be considered. This could include embedded systems, signal processing, networked systems and/or actuation in a wide field of applications. The Department has a strong emphasis on project-based teaching, and candidates could be expected to teach into Mechatronics and Electrical Engineering courses that make extensive use of embedded software and hardware.

We expect one successful appointee to also concurrently hold the position of Head of Department. The Head of Department role will be discussed with all applicants and is not research area specific. This role will be initially for a five year period, but may be renewable thereafter by agreement. In this position, you will be expected to strategically and operationally manage and lead the business of the Department both within the Department and with regard to the broader College, University and community interests. As Head of Department, other duties will involve undergraduate and postgraduate teaching, research and supervising research students. A supplementary payment is made for this role, and there will be a reduced workload to allow for duties as Head of Department.

Information on the Department’s current research and teaching profile is available at: [www.elec.canterbury.ac.nz](http://www.elec.canterbury.ac.nz/)

For further information, applicants are encouraged to contact the College of Engineering Pro- Vice-Chancellor, Professor Jan Evans-Freeman, email: [jan.evans-freeman@canterbury.ac.nz](mailto:jan.evans-freeman@canterbury.ac.nz)

The University of Canterbury is committed to promoting a world-class learning environment through research and teaching excellence, and has a vision statement of “People Prepared to Make a Difference”. You will have the opportunity to work alongside members of a diverse academic community and enrich your own professional and personal development.

For information about the range of benefits in joining UC please visit us online at: <http://www.canterbury.ac.nz/joinus>

## The closing date for this position is: 1 February 2015 (NZ time)

Applications should include a covering letter, indicating if you are also applying to be Head of Department, a Resume or CV with the names and contact information of 3 referees, together with statements of (1) recent research achievements and goals, (2) recent leadership achievements and goals, and (3) a list of courses that could be taught into. Applicants interested in the Head of Department role should also include a 1-page statement on their vision to enhance leadership in teaching excellence and further build the research culture of the Department. All application documentation should be combined into one document and submitted online.

Should you wish to email any additional attachments or have queries in relation to the application process, please forward these to Rochelle Golby, Recruitment/HR Coordinator, email: [rochelle.golby@canterbury.ac.nz](mailto:rochelle.golby@canterbury.ac.nz)

Internal candidates should apply via the Careers option in Employee Self- Service: [https://ucpeople.canterbury.ac.nz](https://ucpeople.canterbury.ac.nz/)

The University of Canterbury is an EEO employer and actively seeks to meet its obligation under the Treaty of Waitangi.