



***CRC Tier II – Power Systems Control and Protection  
Faculty of Engineering and Applied Science***

Situated in beautiful Wascana Park, one of the largest urban parks in North America, the University of Regina is a comprehensive institution, emphasizing excellence in teaching and research, as well as public service. Experiential learning and cross disciplinary teaching are strongly supported.

The Faculty of Engineering and Applied Science presently offers five full programs in Electronic, Environmental, Industrial, Petroleum and Software Systems Engineering that are accredited by the Canadian Engineering Accreditation Board. We also offer M.A.Sc. and Ph.D. programs and other interdisciplinary graduate programs. The faculty offers unique Co-operative Education and Internship programs and has approximately 1400 undergraduate students and almost 270 graduate students (of which about 70 graduate students are in Ph.D. programs). The Faculty has a strong commitment to providing an excellent "systems approach" to engineering education for our students. Each program has a unique implementation of the systems theme, founded on the common underlying goal of producing engineering graduates with a strong base of technical knowledge and with the breadth of complementary skills that successful professional engineers should have in the workplace.

The faculty enjoys close collaborative relationships with industry and government research laboratories. These include the Petroleum Technology Research Centre (PTRC), and the Saskatchewan Research Council, both of which are located in Regina Research Park, adjacent to the campus. More information on the Faculty can be found on our website at: [www.uregina.ca/engq/](http://www.uregina.ca/engq/).

Electronic Systems Engineering (ESE) provides core instruction in electronic and electrical fundamentals. Further specialization at the undergraduate level is offered in the areas of Communications, Instrumentation & Control, Power, and Microelectronics/embedded systems. The ESE program is engaged in power systems related research.

Position summary: The Faculty of Engineering and Applied Science at the University of Regina invites applications for an Assistant or Associate Professor position for the nomination of a Tier 2 Canada Research Chair in Power Systems Control and Protection.

Requirements: The successful candidate will have a PhD degree in Electrical or Electronic Engineering, or a closely related field and will be an emerging leader in his/her field as evidenced by an exceptional record of research, funding, scholarship, teaching and mentorship with demonstrated knowledge and understanding of Power Systems Control and Protection. The successful candidate will be a leader in fostering and enhancing interdisciplinary and

collaborative research partnerships that support and advance Power Systems Control and Protection. The ability to work in a team environment within the Electronic Systems Engineering program is a valued characteristic of the successful candidate. The successful candidate should have demonstrated knowledge and understanding of microgrids, IEC 61850, and/or the application of power electronics to power systems. The successful candidate should also have the appropriate credentials for registration as a Professional Engineer in Saskatchewan.

Information: The University of Regina Strategic Research Plan 2016-2021, which is aligned with the University of Regina Strategic Plan 2015-2020: "*peyak aski kikawinaw* Together We Are Stronger", identifies several thematic strategic research clusters including: Digital future; Water, environment & clean energy; and Social justice and community safety. The CRC Tier 2 in Power Systems Control and Protection will lead research that aligns with these strategic research clusters and the University of Regina Strategic Plan for Sustainability by ensuring stability and reliability through modern electronic systems applied to the protection and control of power systems that include clean energy sources.

The Canada Research Chairs (CRCs) are established as part of a national strategy to foster research excellence. The nominee must meet the requirements for the position of Tier 2 Chair as defined by the CRC program. Tier 2 Chairs are intended for exceptional emerging scholars who are less than 10 years from earning their highest degree. Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Please consult the Canada Research Chairs website for full program information, including further details on eligibility criteria (<http://www.chairs-chaires.gc.ca/home-accueil-eng.aspx>).

To apply, please go to <http://www.uregina.ca/hr/careers/opportunities.html> and submit a cover letter, a current curriculum vitae, a statement of teaching philosophy and evidence of teaching effectiveness, copies of the five most significant publications and/or links to publications, photocopies of transcripts, as well as a proposed five year research plan in Power Systems Control and Protection appropriate to the goals and objectives of the CRC program and a plan for developing externally funded research projects and/or other projects appropriate to the mandate of the CRC (maximum 1500 words). Demonstrate you are proposing a significant, original and innovative research program of high quality and address the following:

- Context – research objectives, relevant scholarly literature, relevance to ongoing research, anticipated contributions to existing body of knowledge, theoretical approach or framework
- Methodology – proposed research strategies and key activities, methodological approaches and procedures for data collection and analysis
- Engagement with Research Users and Communication of Results – how are research users (academic, industry, government, and others) engaged during the research program, how will results be disseminated.
- Student Training – describe training strategies and roles of students with respect to research

- Funding – plan for attracting financial and non-financial resources to support your research.

Please be prepared to provide official transcripts and a list of three references with complete contact information.

The University of Regina is committed to an inclusive workplace that reflects the richness of the community that we serve. The University welcomes applications from all qualified individuals, including individuals within the University's employment equity categories of women, persons with disabilities, members of visible minorities, aboriginal persons, individuals of diverse gender and sexual orientation and all groups protected by the Human Rights Code. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

All Chairs are subject to review and final approval by the CRC Secretariat.