

Assistant Professors in Biomedical Engineering,
Communications Engineering, and Visual Servoing
Carleton University

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Posted Jul. 9, 2020, set to expire Jan. 8, 2021

Job Title	Assistant Professors in Biomedical Engineering, Communications Engineering, and Visual Servoing
Department	Systems and Computer Engineering https://carleton.ca/sce/
Institution	Carleton University Ottawa, Ontario
Date Posted	Jul. 9, 2020
Application Deadline	Applications will be accepted until the position is filled
Position Start Date	Jul. 1, 2021
Job Categories	Assistant Professor
Academic Field(s)	Robotics Industrial & Systems Engineering Human Factors Engineering/Ergonomics Electrical and/or Electronics Computer Engineering Computer Science Bioengineering (all Bio-related fields) Engineering - Other
Job Website	https://carleton.ca/provost/jobs/academics/fed/
Apply By Email	
Job Description	

About the Position:

The Department of Systems and Computer Engineering invites applications from qualified candidates for THREE tenure-track appointments at the rank of Assistant Professor beginning July 1, 2021. The three areas are:

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1) Biomedical Engineering. At the time of appointment, candidates must have earned a Ph.D. and show evidence of research and demonstrate teaching interests in an area of Biomedical Engineering such as bioinstrumentation, biomedical signal or image processing, diagnostic systems, biomedical informatics. Candidates must possess leadership qualities and strong interpersonal skills.

<https://carleton.ca/provost/2020/assistant-professor-systems-and-computer-engineering-biomedical/>

2) Communications Engineering. At the time of appointment, candidates must have earned a Ph.D. and show evidence of research and demonstrate teaching interests for cutting-edge networking/communication technologies, emerging areas in communication theory, algorithms, systems and networks, as well as computing and signal processing for communication systems and networks, while showing a strong knowledge in foundational areas of communication systems and a broad understanding on all aspects of communication systems.

<https://carleton.ca/provost/2020/assistant-professor-systems-and-computer-engineering-communication/>

3) Visual Servoing. At the time of appointment, candidates must have earned a Ph.D., and show evidence of research and demonstrate teaching interests in the field of vision-based robot control, especially as it applies to autonomous vehicles (aerial, above/under- ground, above/under-water).

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For each position, the candidate will be expected to build a strong collaborative and interdisciplinary research program in the respective area, teach engineering undergraduate/graduate courses as well as courses that support other academic programs, to supervise innovative senior undergraduate projects, to mentor graduate (PhD, Masters) students, and to contribute to continuous curriculum improvement, quality assurance reviews and promotion events.

About the Academic Unit:

The Department of Systems and Computer Engineering (<http://carleton.ca/sce/>) is a research-intensive department. The Department participates in a broad range of undergraduate and graduate programs covering the Electrical and Computer Engineering spectrum including Biomedical and Electrical Engineering. Within Carleton, there is established and emerging research strength in health, wellness, and health sciences, representing opportunities for interdisciplinary collaboration (e.g., with biology, health sciences, neuroscience). Externally, there is significant potential for collaborations with industry, government labs, and the local hospitals, which represent one of the largest teaching and research hospital institutions in Canada.

Qualifications:

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In addition to the position-specific qualifications listed above, candidates should have a demonstrated interest for both theoretical and applied/experimental research with potential for large technological and societal impact. Candidates must possess leadership qualities and strong interpersonal skills. They should exhibit strong potential to build an externally funded, innovative, and internationally recognized research program. The candidates should have a demonstrated commitment to undergraduate/graduate teaching excellence and mentoring undergraduate/graduate students. The candidates will show evidence of an interest in innovative teaching methods, in collaborative and interdisciplinary approaches to research and teaching, and aptitudes for building bridges with community, industry, and government agencies.

Candidates must show membership in a Canadian professional engineering association, or evidence that membership in such an association can be secured according to the accreditation criteria and procedures set by the Canadian Engineering Accreditation Board.

We encourage applications from candidates from groups underrepresented in engineering and/or with experience in mentoring students from such groups. We will favorably consider candidates interested in promoting and supporting efforts in equity, diversity, and inclusion, particularly among women, visible minorities, Indigenous peoples, people with diverse gender identities, and people with disabilities.

Application Instructions:

Candidates should submit, in one PDF file, a CV, a teaching statement (teaching philosophy) with teaching evaluations or other evidence of teaching effectiveness, a research statement/plan, and the names of three references. Candidates are particularly encouraged to highlight qualifications relevant to this position. Applications should be sent electronically to hiring-biomed2021@sce.carleton.ca, hiring-comeng2021@sce.carleton.ca, or hiring-visualservoing@sce.carleton.ca.

Please indicate in your application if you are a Canadian citizen or permanent resident of Canada.

About Carleton University:

Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance. With over 30,000 students in more than 100 programs of study, we encourage creative risk-taking, discovery, and the generation of transformative knowledge. We are proud to be one of the most accessible campuses in North America. Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada.

Carleton's location in Ottawa, Ontario provides many opportunities for scholarship and research with

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numerous and diverse groups and institutions. Canada's capital has a population of almost one million and reflects the country's bilingual and multicultural character. To learn more about our university and the City of Ottawa, please visit www.carleton.ca/about.

EEO/AA Policy

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Carleton understands that career paths vary. Legitimate career interruptions will in no way prejudice the assessment process and their impact will be carefully considered.

Applicants selected for an interview are asked to contact the Chair as soon as possible to discuss any accommodation requirements. Arrangements will be made in a timely manner.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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Canada