

Professor in Intelligent Systems Engineering  
Ecole de Technologie Superieure

Direct Link: <https://www.AcademicKeys.com/r?job=238518>

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Posted Jul. 3, 2024, set to expire Nov. 2, 2024

<b>Job Title</b>	Professor in Intelligent Systems Engineering
<b>Department</b>	Systems Engineering Department <a href="https://www.etsmtl.ca/programmes-et-formations/departements/departement-genie-systemes">https://www.etsmtl.ca/programmes-et-formations/departements/departement-genie-systemes</a>
<b>Institution</b>	Ecole de Technologie Superieure Montréal, Quebec
<b>Date Posted</b>	Jul. 3, 2024
<b>Application Deadline</b>	Sep. 9, 2024
<b>Position Start Date</b>	Depending on the candidate's availability
<b>Job Categories</b>	Professor
<b>Academic Field(s)</b>	Electrical and/or Electronics Computer Engineering Computer Science Engineering - Other
<b>Job Website</b>	<a href="http://www.etsmtl.ca/">http://www.etsmtl.ca/</a>
<b>Apply Online Here</b>	<a href="https://tre.tbe.taleo.net/tre01/ats/careers/v2/viewRequisition?org=ETS&amp;cws=43&amp;rid=3224">https://tre.tbe.taleo.net/tre01/ats/careers/v2/viewRequisition?org=ETS&amp;cws=43&amp;rid=3224</a>
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### **Job Description**

École de technologie supérieure (ÉTS) is a rapidly growing engineering university located in downtown Montreal. It offers undergraduate and graduate programs focused on applied engineering and state-of-the-art research infrastructure. ÉTS is also home to Centech, a business incubator that offers support services for researchers wishing to commercialize their innovations.

By joining l'ÉTS, you will be joining a team of highly active professors and researchers in the school's various [research chairs, labs, institutes and groups](#). Your work will make a tangible contribution to scientific progress and the development of Quebec's productivity and competitiveness, as well as the training of a highly qualified workforce.

### **What we offer :**

- A start-up and an equipment fund to support your scientific career.
- Financial support for research and teaching (supervision of student recognition, teaching credits, correction help, etc.).
- A personalized onboarding process.
- A structure to promote your research and networking activities to make yourself known and help you recruit students.
- A work environment favorable to your career development for research and teaching.
- A mentor program for all faculty members is offered upon your arrival and throughout your career.
- Support for the immigration process and a relocation program for your family.
- A full-course program to learn French.

### **Our system engineering department:**

The Systems Engineering Department at ÉTS offers multidisciplinary study programs at both undergraduate and graduate levels that are tailored to the industrial needs regarding the optimization of operations and services, organization work, digital transformation, computerization of production systems and industrial automatization. Courses are focused on integrating computer and technological systems using mechanics, electronics and control, computer science and industrial engineering.

### **ABOUT THE POSITION**

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The department is recruiting a professor of intelligent systems engineering. The desired person must have general knowledge of systems engineering, electrical engineering, and computer science related to artificial intelligence.

Your expertise should be oriented towards one or more of the following fields of research:

- Machine Learning;
- Deep Neural Networks;
- Vision-Language Models
- Natural Language Processing;
- Multimodal Large Language Models
- Data Science;
- Reinforcement Learning;
- Intelligent and Autonomous Systems;
- Computer Vision;
- Signal Processing;
- Pattern Recognition.

You must demonstrate strong expertise in developing large language models (LLM), vision-language models (VLM), multimodal learning, and deep transformer models.

You could join the [Laboratoire d'imagerie, de vision et d'intelligence artificielle \(LIVIA\)](#) depending on your expertise and research interests. Its mission is to develop cutting-edge artificial intelligence techniques to solve complex problems related to medical imaging, document analysis, biometrics, affective computing, health, video analysis, etc.

### **Job Description:**

As part of the research team, selected candidates will:

- Teach and develop courses at both the undergraduate and graduate levels in fields related to systems engineering, electrical engineering and computer science;
- Mentor graduate students;
- Carry out funded, potentially interdisciplinary research projects with local, national and international partners;
- Develop a research program;
- Publish scientific articles;
- Complete grant applications, particularly those for NSERC, FQRNT, and MITACS.

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### Requirements

- Hold or be about to obtain a Doctorate (PhD) in Engineering in a relevant field for this position;
- Be a member of the *Ordre des ingénieurs du Québec* (OIQ) or be eligible to join the OIQ and undertake the necessary steps to become a member before submitting an application for full professorship;
- Have experience in conducting research in collaboration with industry or solid experience in industrial R&D;
- Demonstrate excellent skills related to training highly qualified personnel through research projects and teaching;
- Be proficient in French (oral and written), in compliance with the [ÉTS Language Policy](#) (in French), or demonstrate a willingness to learn French and register for a French program with the support of ÉTS.

### Start Date

Depending on the candidate's availability

### Submitting an application

All applications will be processed in strict confidentiality.

ÉTS will consider any leaves that may result in career interruptions or delays. Therefore, we encourage you to mention any such leave that may have affected your professional path. We will consider this information when evaluating your application.

In case of a disability, we may offer accommodation measures during the hiring process.

Interested candidates are invited to submit their application **before 5:00 p.m. (EST) on September 9, 2024**

Each application must include the information indicated below in a **single PDF document in the following order**:

- An automated (dynamic) Table of Contents;
- A cover letter;
- Your curriculum vitae;
- A statement of your teaching objectives;

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- Your research plan, including an indication of how your work complements the areas of research targeted by a department or research group at ÉTS;
- A sample of your research achievements (e.g.: recent scientific articles).

If you require more information, please contact [bap-candidatures@etsmtl.ca](mailto:bap-candidatures@etsmtl.ca). Your application must be complete to be considered. Only candidates who are retained for an interview will be contacted.

### Compensation

This is a tenure-track position. The [process and benefits](#) will be determined in accordance with the applicable collective agreement of [l'Association des professeurs de l'ÉTS](#) (APÉTS).

### Immigration Requirements

In compliance with the immigration requirements in effect in Canada, ÉTS invites all qualified individuals to apply. However, priority will be given to Canadian citizens and permanent residents. When submitting an application, it is important to indicate whether you can work in Canada so that the applicable immigration procedures can be planned accordingly.

### EEO/AA Policy

ÉTS is actively implementing its Equal Opportunity Program, inviting applications from women, Indigenous, visible and ethnic minorities and people with disabilities. Valuing inclusion, we are committed to overcoming the barriers faced by people with disabilities in the workplace. We offer accessibility measures and are ready to provide assistance during the pre-selection and selection process to candidates who so wish. We encourage equity, diversity and inclusion, and consider these values to be fundamental to our working environment. We are taking concrete steps to increase diversity within our work teams. To this end, we ask you to identify yourself so that we can take this into account throughout the selection process. To do so, please complete the Equal Employment Opportunity form and send it to us with your curriculum vitae. The candidate must have the right or permission to work in Canada from the start of the assignment, and for the entire duration of the assignment.

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**Contact Information**

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

**Contact**

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Canada