



## Postdoctoral Position in Sustainable Operations

Applications are invited for a postdoctoral position in sustainable operations management at **Smith Business School of Queen's University in Kingston, Canada**. Smith is one of Canada's premier business schools, with an outstanding reputation for innovation and quality. The PhD and MSc programs attract highly qualified research-oriented students.

Commencing in September 2024, this is a one-year, renewable position. The successful candidate will work on a research project that involves the application of operations research and data science techniques in the context of sustainable operations and circular economy. This federally funded interdisciplinary research project aims at developing data-driven decision-making tools for valorizing municipal organic waste to energy and value-added chemicals. As such, the position offers an exciting opportunity to utilize big data in addressing persistent environmental and sustainability challenges, supporting regional and government decision-making to implement best practices to achieve net-zero greenhouse gas emissions. The project is led by Dr. Vedat Verter, Professor and Stephen J.R. Smith Chair and Dr. Elaheh Fata, Assistant Professor. Applicants are encouraged to reach out the co-supervisors with any questions they may have regarding the position.

### Qualifications

The ideal candidate should have a Ph.D. in operations research, data science, industrial engineering, or other engineering specializations with data science and/or optimization background. They should have a record that demonstrates their research potential. Queen's University requires that *eligible applicants must have completed their PhD in the past five years*.

The candidate should have excellent modeling and analytical skills with expertise in one or more of the following methodologies: large-scale optimization, stochastic programming, robust optimization, and machine learning. Experience in managing and analyzing large data sets is required. Previous experience in sustainable operations will be an asset.

### Equity Statement

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity, and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous people, women, persons with disabilities, and 2SLGBTQ+ persons. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents of Canada will be given priority.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that considers an applicant's accessibility needs. If you require accommodation during the interview process, please contact:

[april.wallace@queensu.ca](mailto:april.wallace@queensu.ca)

Postdoctoral Fellows at Queen's University are an unionized employee group governed by the [PSAC 901 Collective Agreement](#). Interested candidates are encouraged to familiarize themselves with the collective agreement.

To comply with federal laws, the University is obliged to gather statistical information as to how many applicants for each job vacancy are Canadian citizens/permanent residents of Canada. Applicants need not identify their country of origin or citizenship; however, all applications must include one of the following statements: "I am a Canadian citizen/permanent resident of Canada," OR, "I am not a Canadian citizen/permanent resident of Canada." Applications that do not include this information will be deemed incomplete.

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

## How to Apply

**Deadline for applications: May 15, 2024.**

**Applicants should submit:**

- Up to date CV
- The contact information for at least two references
- Transcripts of courses taken during master's and Ph.D. programs
- Sample publications/manuscripts

**Submit your application** to Dr. Elaheh Fata at [elaheh.fata@queensu.ca](mailto:elaheh.fata@queensu.ca). Please have "Post-doc Application" in the subject line.