



Assistant Professor
Green Mining
The Robert M. Buchan Department of Mining
Queen's University at Kingston

The Robert M. Buchan Department of Mining, Faculty of Engineering and Applied Science at Queen's University, invites applications for a tenure-track faculty position at the rank of Assistant Professor, in the area of *Green Mining*. The preferred starting date of the appointment is July 1, 2020.

Green Mining ensures availability of mineral resources for future needs through the development of innovative techniques, technologies and systems which enable economically viable access, efficient use, and effective reuse, of raw materials. This field encompasses concepts related to Circular Economy, Recycling End-of-Life Products, Product Life Cycle Analysis, Water, Energy and Materials Efficiency, Clean Energy Transition, and all activities that diversify supply chains in mining, making them more sustainable while reducing its ecological footprint and impact on climate, with the purpose of maximizing the use of minerals and by-products and minimizing waste generation. Hence, candidates for this position will be expected to conduct research which is relevant to areas such as: life cycle analysis, product cycle analysis, recycling, techno-economic evaluation, innovation, water and energy efficiency, or circular economy.

The primary academic appointment for this position will be in the Robert M. Buchan Department of Mining (*Queen's Mining*). Cross-appointment to other relevant academic departments will be encouraged, depending on the area of expertise and research focus of the appointee.

Candidates must hold at least one degree in Engineering and a PhD in a relevant discipline completed at the start date of the appointment. Registration as a Professional Engineer in Ontario, or eligibility to acquire registration in Canada, is a requirement. Relevant industrial experience is a significant asset.

The main criteria for selection are academic, research, and teaching excellence. The successful candidate will provide evidence of high quality scholarly output that demonstrates potential for independent research leading to peer assessed publications and the securing of external research funding. The candidate must also be able to teach courses at both the undergraduate and graduate levels, demonstrate an ongoing commitment to academic and pedagogical excellence in support of the department's programs, and provide evidence of an ability to work in an interdisciplinary and student-centered environment. The successful candidate will be expected to make

contributions through service to the department, the Faculty, the University, and/or the broader community. Salary is commensurate with qualifications and experience.

People from across Canada and around the world come to learn, teach and carry out research at Queen's University. Faculty and their dependents are eligible for an extensive benefits package including prescription drug coverage, vision care, dental care, long term disability insurance, life insurance and access to the Employee and Family Assistance Program. You will also participate in a pension plan. Tuition assistance is available for qualifying employees, their spouses and dependent children. Queen's values families and is pleased to provide a 'top up' to government parental leave benefits for eligible employees on maternity/parental leave. In addition, Queen's provides partial reimbursement for eligible daycare expenses for employees with dependent children in daycare. Details are set out in the Queen's-QUFA Collective Agreement. For more information on employee benefits, see [Queen's Human Resources](#).

Additional information about Queen's University can be found on the [Faculty Recruitment and Support](#) website. The University is situated on the traditional territories of the Haudenosaunee and Anishinaabe, in historic Kingston on the shores of Lake Ontario. Kingston's residents enjoy an outstanding quality of life with a wide range of cultural, recreational, and creative opportunities. Visit [Inclusive Queen's](#) for information on equity, diversity and inclusion resources and initiatives.

Celebrating its 125th anniversary, *Queen's Mining* consistently ranks among the world's top Mining Engineering departments, with outstanding laboratory facilities and an unparalleled reputation for the quality of our graduates. In alignment with emerging societal and industry priorities, the department embraces an integrated systems approach to the mining project life cycle, thereby enabling more sustainable raw materials extraction that is safer and more effective, and which further mitigates social, environmental, and economic impacts. Several established faculty members have active research programs on a variety of themes related to the mining value chain, including Geostatistics, Blasting, Ventilation, Geomechanics, Mine Design, Mineral Processing, Metallurgy, Sustainability and Intelligent Mining Systems. The department possesses world class laboratories for teaching and research in blasting, rock mechanics, and mineral processing.

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal peoples, persons with disabilities, and LGBTQ 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.

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.

In addition, the impact of certain circumstances that may legitimately affect a nominee's record of research achievement will be given careful consideration when assessing the nominee's research productivity. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions.

A complete application consists of:

- a cover letter (including one of the two statements regarding Canadian citizenship / permanent resident status specified in the previous paragraph);
- a current Curriculum Vitae (including a list of publications);
- a statement of research interests;
- a statement of teaching interests and experience (including teaching outlines and evaluations if available); and,
- the names and contact information of three referees.

Review of applications will begin on December 9, 2019, and applications received after the deadline will be reviewed only if the position remains unfilled.

Applicants are encouraged to send their application package electronically as PDFs to Wanda Badger at wanda.badger@queensu.ca with the subject line "Application for the Green Mining Faculty Position", although hard copy applications may be submitted to:

**Dr. Takis Katsabanis,
Associate Professor and Head
The Robert M. Buchan Department of Mining
Queen's University
Goodwin Hall, Room 354
Kingston, ON, Canada K7L3N6**

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact Wanda Badger in The Robert M. Buchan Department of Mining at wanda.badger@queensu.ca.

Academic staff at Queen's University are governed by a [Collective Agreement](#) between the University and the [Queen's University Faculty Association \(QUFA\)](#), which is posted at <http://queensu.ca/facultyrelations/faculty-librarians-and-archivists/collective-agreement> and at <http://www.qufa.ca>.