

## Digital Earth Scientist/ Engineer

Updated: August 2019

The Department of Geological Sciences and Geological Engineering, Faculty of Arts and Science at Queen's University invites applications for a Tenure-track faculty position at the rank of Assistant Professor with specialization in Digital Earth Sciences, with a preferred starting date of July 1, 2020.

Candidates must have a PhD or equivalent degree completed at the start date of the appointment. The main criteria for selection are academic 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, as well as strong potential for outstanding teaching contributions at both the undergraduate and graduate levels, and an ongoing commitment to academic and pedagogical excellence in support of the department's programs. Candidates must provide evidence of an ability to work collaboratively in an interdisciplinary and student-centred environment. The successful candidate will be required to make substantive contributions through service to the department, the Faculty, the University, and/or the broader community. Salary will be 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.

We seek applicants with a strong interest in developing, applying, and integrating digital and data science methods to problems in Geoscience and Geoengineering. A wide range of theoretical, software, and hardware approaches are welcomed. The successful candidate will develop a research program focused on Earth science problems which may include processes in the deep earth, lithosphere, and/or surface approaching these via methods such as remote, crowd or in-situ sensing, numerical modelling, database development and analysis, data mining, artificial intelligence, visualization, and AR/VR development. The successful candidate will develop an externally funded research program in the broad field of digital Earth Science and will be encouraged to collaborate with existing researchers in the Department to develop new research opportunities. In keeping with the departmental strength in field-based learning, a willingness to undertake field research and teaching will be considered an asset. Current registration as, or eligibility to register as a P.Geo or as a P.Eng is expected.

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,
- Three letters of reference to be sent directly to Dr. Vicki Remenda at GSGE Positions ([gsge-positions@queensu.ca](mailto:gsge-positions@queensu.ca)).

The deadline for applications is **December 1, 2019**. Applicants are encouraged to send all documents in their application packages electronically as PDFs to Dr. Vicki Remenda at [gsge-positions@queensu.ca](mailto:gsge-positions@queensu.ca) , although hard copy applications may be submitted to:

Dr. Vicki Remenda  
Head,  
The Department of Geological Sciences and Geological Engineering  
Bruce Wing/ Miller Hall  
36 Union Street  
Queen's University  
Kingston, Ontario  
CANADA K7L 3N6

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 Mr. Paul Bass ([pdb@queensu.ca](mailto:pdb@queensu.ca)) in The Department of Geological Sciences and Geological Engineering, at the address above.

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>.