Tenure-Track Faculty Position in Engineering Physics

The Department of Physics, Engineering Physics and Astronomy at Queen's University invites applications for a Tenure-track faculty position at the rank of Assistant or Associate Professor with specialization in experimental engineering physics, 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 a commitment to academic and pedagogical excellence. Candidates must provide evidence of an ability to work collaboratively in a diverse, equitable, interdisciplinary and student-centred environment. The successful candidate will be expected to make contributions through service to the department, the Faculty, the University, and/or the broader community. Licensure as a Professional Engineer in Ontario, or eligibility to acquire licensure in Canada, is an essential requirement. 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.

Queen's University is one of Canada's leading research-intensive universities. The Department of Physics, Engineering Physics & Astronomy at Queen's University has 31 Faculty working in the areas of condensed matter physics and optics, engineering and applied physics, astronomy and astrophysics, and particle astrophysics.

The successful candidate for this position will be an experimentalist with a research program that complements the existing research activities of the Queen's engineering physics, condensed matter physics and optics groups. These groups perform pure and applied research, with core research strength in: nanoscience, quantum and nonlinear optics, surface science, materials science, laser machining, organic and inorganic opto-

electronic devices, spintronics, scanning probe microscopy and low-temperature physics. Faculty have ready access to major shared infrastructure at Queen's, including Nanofabrication Kingston (www.nanofabkingston.ca/), which provides researchers with access to leading-edge equipment, methodologies, and expertise for designing and prototyping microsystems and nanotechnologies, and the Centre for Advanced Computing (https://cac.queensu.ca/). We have also recently established a new CFI-funded Nanophotonic Research Centre (through the Innovation Fund program), which forms an important research strength within the department and university.

Providing opportunities for junior faculty to develop a strong teaching and research profile and maintaining an environment where all faculty can thrive is our top priority. Support for course development and delivery is provided by the Department, the Queen's Centre for Teaching and Learning, and the 'First day to First Sabbatical' program of the Faculty of Arts and Science. Support of junior faculty to develop strong research programs includes a significant Research Initiation Grant, grant writing workshops and review services, funding support for graduate students through the Queen's Graduate Award program, and one-to-one mentorship from senior faculty members.

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, experience and vision (which may include mentorship, and promotion of equity, diversity and inclusivity in physics); and,
- Three letters of reference to be sent directly to Prof. Rob Knobel, physhead@queensu.ca

The first review of applications will begin on **December 15, 2019,** and will continue until a successful candidate is found. Applicants are encouraged to send all documents in

their application packages electronically as PDFs to Prof. Robert Knobel at physhead@queensu.ca , although hard copy applications may be submitted to:

Robert Knobel, Head,
The Department of Physics, Engineering Physics and Astronomy
Stirling Hall
64 Bader Lane
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 Melissa Balson in The Department of Physics, Engineering Physics and Astronomy at 4mjb5@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.