



Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:

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Job Board Posting



Careers.Indigenous.Link

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TENURE TRACK POSITION IN ENGINEERING PHYSICS

Job ID	58036-7337	
Web Address	https://careers.indigenous.link/viewjob?jobname=58036-7337	
Company	McMaster University	
Location	Hamilton, ON	
Date Posted	From: 2023-09-21	To: 2050-01-01
Job	Type: Full-time	Category: Education

Description

Tenure-Track Faculty Position in Engineering Physics McMaster University, Faculty of Engineering, Department of Engineering Physics McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and within the lands protected by the Dish with One Spoon wampum agreement. Position Description McMaster University's Faculty of Engineering invites applications from female-identifying candidates for a tenure-track position at the rank of Assistant Professor in the Department of Engineering Physics, located on the main university campus to begin on or before July 1, 2024. Candidates with a superior track record of scholarly contributions, demonstrated leadership in research and innovation, and a strong international reputation may be considered at the rank of Associate or Full Professor. The Department of Engineering Physics at McMaster University incorporates a unique blend of research topics in applied and engineering physics, with research clusters in optics/photonics, nano/micro devices, biophotonics/biosensing, and nuclear engineering. The Department hosts one of the largest accredited undergraduate Engineering Physics programs in Canada, along with graduate programs at the Master's and PhD levels. The Department and its faculty members also actively participate in the Faculty-wide 5-year undergraduate integrated biomedical engineering programs and the graduate-level School of Biomedical Engineering. Ranked among the top engineering schools in Canada and worldwide, McMaster Engineering has a long history of excellence in cutting edge research, student-focused education, innovative programs, leading faculty, and achieving students. We integrate experiential learning into every facet of the student journey, offer Canada's largest undergraduate research program, vibrant co-op opportunities, and much more. With 200 faculty members, about 7,500 undergraduate and 1,250 graduate students, we are a world class centre for academic excellence and innovation. Founded in 1887, McMaster University is one of only four Canadian universities ranked among the top 80 in the world by the Times Higher Education World University Rankings for 2022 and is home to more than 70 research centres and institutes. Named Canada's most research-intensive university in 2017, 2018, 2019 and 2020 by Research Infosource, McMaster is dedicated to teaching, learning and service. With a student population of more to 36,000, McMaster welcomes students from 120 countries as well as Canada. Discover more of what McMaster Engineering and the Hamilton area can offer to academic professionals and their families by reviewing the Information Guide highlighting our research excellence, family-friendly resources and rich local culture. Opportunities for continuous personal and professional growth are also made available through our Faculty's Fireball Academy and the MacPherson Institute. Successful Candidate The Department of Engineering Physics is seeking an outstanding woman for a tenure-track position in Engineering Physics. The position is at the rank of Assistant Professor and located on the main university campus. Consideration for a position at the rank of Associate or Full Professor will be given, based on commensurate experience. Successful candidates will have the opportunity to readily access world-class research facilities including the Centre for Emerging Device Technologies, the Brockhouse Institute for Materials Research, the Canadian Centre for Electron Microscopy, the Centre for Advanced Light Microscopy, and/or the McMaster Biointerfaces Institute. The successful candidate is expected to develop research collaborations within and external to the University. Possible research topics may include but are not limited to areas within engineering that develop, utilize, exploit, or explore advanced device technologies in optoelectronics, photonics, electronics, micromechanics and/or microfluidics; for example, using nanoscale elements such as FETs, NEMS/MEMS, micro-ring resonators, photonic crystals, plasmonics, Josephson junctions, metamaterials or epitaxial semiconductor materials within micro-, or nano-scale devices and systems. The research topic should have strong linkages to technological applications, for example to

communications, energy systems, space systems, computing (including quantum computing), biomedicine, or imaging/sensing (e.g., bioimaging & biosensing). The successful applicant will teach both undergraduate- and graduate-level courses. Therefore, a demonstrated or strong potential for excellence in teaching and curriculum development in Engineering Physics at both the undergraduate and graduate levels is essential. Consistent with McMaster's position as a research-intensive university, the successful applicant will be expected to develop a dynamic externally funded research program, supervise graduate students, and foster existing or new collaborations with other Departments and Faculties. Research excellence will be reflected in successful mentoring of graduate students, extramural grant acquisition and publication in high quality peer-reviewed journals. Relevant industrial experience, the ability to interact with other research groups (on- and off-campus), and interest in creating and maintaining ties with major industrial players within the broader community, will be essential. Applicants must demonstrate a willingness and ability to contribute to the Department's collegial and collaborative intellectual community as well as University-wide inclusive excellence goals and priorities. Applicants must have completed a Ph.D. in Engineering Physics, Physics, Electrical Engineering, Biomedical Engineering, or a closely related discipline, and have expertise in applied research in a related field of application. Successful candidates will be outstanding emerging scholars with a demonstrated potential to achieve a significant international reputation in the next five to ten years. Applicants should also possess outstanding leadership and communication skills, a commitment to excellence in service, and ability to work effectively with individuals from diverse backgrounds. All candidates will be expected to participate in the normal administrative, educational, and professional activities of the Department, Faculty and University. Applicants are expected to have a license for the practice of engineering in Canada or the ability and eligibility to apply for an engineering license with the Professional Engineers of Ontario within 3 years. In addition to competitive salaries, McMaster University provides one of the best benefit packages amongst Canadian universities, which includes supplementary medical and dental coverage, a defined benefits pension plan, external tuition benefit, long term disability insurance and family-friendly supports such as a childcare allowance, and funded pregnancy/parental leaves. University policies include provisions for such leaves in the tenure process and in annual merit evaluations. The Faculty of Engineering has additional supports in place, such as funding from the Engineering Life Event Fund, to help maintain continuity in scholarship during pregnancy/parental, medical, or family-related leaves.

Commitment to Inclusive ExcellenceThe diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration, and diversity, and has a strong commitment to employment equity. McMaster has a vision to achieve international distinction for creativity, innovation and excellence as a research-intensive, student-centred university. In committing to that vision, we are also focused on the promotion of inclusive excellence, recognizing the critical role that diversity of identity, background and perspective play in harnessing creativity and innovation, and the importance of building inclusive and collegial teams within our community. The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Metis and Inuit peoples, members of racialized communities (“visible minorities”), persons with disabilities, women, and persons who identify as 2SLGBTQ+. We invite all applicants to complete a brief Diversity Survey as part of the application process. It takes approximately two minutes to complete during the online application process. All questions are voluntary, with an option to decline to answer. All information collected is confidential and will be used to support efforts to broaden the diversity of the applicant pool and to promote a fair, equitable and inclusive talent acquisition process. Inquiries about the Diversity Survey may be directed to hr.empequity@mcmaster.ca. Applicants requiring accommodation to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) or the Executive Officer in the Faculty of Engineering at 905-525-9140 ext. 24900 to communicate accommodation needs.

How to apply:Please visit our Current Opportunities webpage <https://hr.mcmaster.ca/careers/current-opportunities/> to submit your application to job opening 58306 by November 1, 2023, addressed to Rafael Kleiman, Professor and Chair, Department of Engineering Physics, JHE-A315, Faculty of Engineering, McMaster University, Hamilton, ON L8S 4L7, Canada and submit the following materials: letter of application together with a Curriculum Vitae. Describe the impact that career interruptions may have had on research productivity (1 page, if applicable); research statement, including a selection of research publications (no more than four examples); statement on teaching interests and philosophy (including evidence of teaching effectiveness); statement on contributions to inclusive excellence in teaching, research and service, including a description of how you will contribute to advancing the University's Equity, Diversity and Inclusion Strategy: Towards Inclusive Excellence within the Faculty of Engineering (2 pages maximum) contact information for at least three referees. Please note that letters of

reference are not required and will not be reviewed at the application stage. The Department will request letters of recommendation from referees at later stages of the search process.

Referees should not be in a conflict of interest and at least one should be recognized as an international authority in your field and not residing in the country in which you are currently working. In cases where the applicant is a Canadian Indigenous researcher (First Nations, Inuit or Metis) based in Canada, the name and contact information of an international referee is not required. McMaster University recognizes the potential impact that career interruptions and personal circumstances (e.g., pregnancy, early childcare, eldercare, illness, etc.) can have on an applicant's record of research achievement. We encourage applicants to explain in their applications the impact that career interruptions, or other issues may have had. Review of applications will begin November 1, 2023. Applications will continue to be accepted until the position is filled. The effective date of appointment is negotiable, but July 1, 2024 is preferred. All applicants will receive an online confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews. Applicants with questions regarding this recruitment should contact Robert Laidler, laidlerr@mcmaster.ca. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. To comply with the Government of Canada's reporting requirements, the University gathers information about applicants' status as either a permanent resident of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements: Yes, I am a citizen or permanent resident of Canada No, I am not a citizen or permanent resident of Canada The University is committed to providing and maintaining healthy and safe working and learning environments for all employees, students, volunteers, and visitors. The University's Vaccination Policy-COVID-19 Requirements for Employees and Students (the "Vaccination Policy"), requires all McMaster community members, including employees, accessing a McMaster campus or facility in person to be fully vaccinated or to have received an exemption from the University for a valid human rights ground. While the Policy will be currently paused, this Policy may resume quickly and on short notice, as informed by public health advice and direction. As a result, failure to achieve and maintain fully vaccinated status or an approved human rights-based exemption may result in termination of employment. This is a term and condition of employment. The University will continue to follow the guidance of public health organizations to define fully vaccinated status. Further information is available at the following link: <https://covid19.mcmaster.ca/vaccination-mandate/>. More information on the University's Health and Safety framework is available online at <https://hr.mcmaster.ca/resources/covid19/>. Questions regarding the above requirements or any accommodation requests through the recruitment process can be directed to hr.mcmaster@mcmaster.ca.

For more information, visit McMaster University for TENURE TRACK POSITION IN ENGINEERING PHYSICS