



Assistant Professor – Theoretical Quantum Optics

The Department of Physics in the Faculty of Arts & Science at the University of Toronto invites applications for a full-time tenure stream position in the area of Theoretical Quantum Optics. The appointment will be at the rank of Assistant Professor, with an anticipated start date of July 1, 2025.

Applicants must have earned a PhD degree in Physics or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in both research in Theoretical Quantum Optics and in teaching Physics.

We seek candidates with the demonstrated ability to build a strong independent research program in quantum optics broadly defined, whose profile complements or strengthens work within the Department in atomic, molecular, and optical physics (AMO), photonics, and quantum information science. We also seek candidates whose research and teaching will build linkages with other research groups in the Department of Physics (see <https://www.physics.utoronto.ca/research>).

The successful candidate will be expected to pursue independent and innovative research at the highest international level; to establish an outstanding, internationally competitive, and externally funded research program; to actively engage in undergraduate and graduate teaching; and to contribute to the enrichment of undergraduate and graduate programs.

Candidates must provide evidence of research excellence, indicative of a developing research program that is at the highest international level, as demonstrated by a record of significant publications in field-relevant academic journals or forthcoming publications meeting high international standards, a forward-looking research statement, awards and accolades, and strong letters of endorsement.

Evidence of excellence in teaching will be demonstrated through accomplishments described in the teaching dossier, including a statement of teaching philosophy, sample course materials, and teaching evaluations or evidence of superior performance in teaching-related activities submitted with the application, along with strong letters of reference. Other teaching-related activities may include experience as a teaching assistant, experience in curriculum development, participation in delivering successful workshops or seminars, student mentorship, or publications and/or presentations related to pedagogical innovation.

Salary will be commensurate with qualifications and experience.

The successful candidate will complement and have the opportunity to collaborate with research groups in the [Department of Physics](#), and with the University of Toronto's growing group of researchers working in Quantum Science and Technology. Together with recent hires in quantum information science and existing quantum optics theorists and experimentalists, this new theorist will contribute to the strength of research in the Department of Physics.

All qualified candidates are invited to apply by clicking on the link below.

Applicants must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; two recent research publications or forthcoming publications; and a teaching dossier to include a teaching statement that describes teaching philosophy and teaching experience, sample course materials, and teaching evaluations or evidence of superior performance in relevant teaching-related activities as listed above.

Equity, diversity and inclusion are essential to academic excellence as articulated in University of Toronto's [Statement on Equity, Diversity and Excellence](#). We seek candidates who share these values and who demonstrate throughout the application materials their commitment and efforts to advance equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment.

Applicants must provide the name and contact information of three references. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each referee the day after an application is submitted. Applicants remain responsible for ensuring that referees submit recent letters (on letterhead, dated and signed) by the closing date. More details on the automatic reference letter collection, including timelines, are available in the [candidate FAQ](#).

Submission guidelines can be found at <http://uoft.me/how-to-apply>. Your CV and cover letter should be uploaded into the dedicated fields. Please combine additional application materials into one or two files in PDF format. If you have questions about this position, please contact Mr. Chris McGugan at chairsec@physics.utoronto.ca.

All application materials, including recent reference letters, must be received by the closing date of December 12, 2024.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.