

# POSTDOCTORAL POSITION UNIVERSITY OF TORONTO 2024-2026

Applications are invited for a Postdoctoral Position in the Physics Department at the University of Toronto for Theoretical Research in Condensed Matter Physics and the Science and Applications of Photonic Crystals. Qualified candidates must have a Ph.D. with a background in condensed matter physics, quantum optics, computational electrodynamics, and/or photonics. Successful candidates will engage in full-time research with Prof. Sajeed John in topics including light-matter interactions in photonic crystals, sound sculpting in phononic crystals, and topological spintronics. Applications to solar energy harvesting, optical bio-sensing for medical diagnostics, and novel quantum phenomena will also be considered. Familiarity with numerical and computational methods is required. A more detailed description of recent research can be found at [www.physics.utoronto.ca/~john](http://www.physics.utoronto.ca/~john). Successful candidates are also expected to have strong communication skills to interact effectively with graduate students and collaborating experimental groups.

The normal duration of these appointments is 2-3 years, renewable on a yearly basis. Interested candidates should send their CV and arrange for three letters of reference to be sent to:

Prof. Sajeed John  
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