

POSTDOCTORAL POSITIONS UNIVERSITY OF TORONTO 2009-2012

Applications are invited for Postdoctoral Positions in the Physics Department at the University of Toronto for Theoretical Research in the Science and Applications of Photonic Crystals. Qualified candidates must have a Ph.D. with background in condensed matter physics, quantum optics, applied mathematics, and/or photonics. Successful candidates will engage in full time research with Prof. Sajeew John in light-matter interactions in photonic crystals and light localization effects. They will help develop new methodologies for photonic band gap materials synthesis. Applications to optical switching, all-optical logic, circuits of light in an optical microchip, lighting technologies, and solar energy harvesting will be considered. Familiarity with numerical and computational methods is advantageous. A more detailed description of recent research can be found at www.physics.utoronto.ca/~john. Successful candidates are also expected to have strong communication skills in order to interact effectively with graduate students and collaborating international 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. Sajeew John
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