



UNIVERSITY OF  
TORONTO



## Open MASc/PhD Positions in Electrical Engineering & Biomedical Engineering

Modelics is a scientific laboratory dedicated to the computational modeling of engineering and living complex systems, led by Prof. Piero Triverio at the University of Toronto. We are seeking candidates for graduate studies in *Electrical and Computer Engineering* or in *Biomedical Engineering*. Positions are open at the Master of Applied Science level (M.A.Sc.) and at the Doctor of Philosophy level (Ph.D.). Applicants must hold the equivalent of a four-year Bachelor's degree in either Electrical Engineering, Biomedical Engineering, or a related field.

Positions are open in the following areas:

- Computational electromagnetism applied to the design of 3D integrated circuits (in collaboration with AMD), metasurface antennas and metamaterials, quantum computing systems;
- Computational quantum mechanics, with application to the design of quantum computing systems;
- Computational fluid dynamics applied to coronary artery bypass grafts (in collaboration with Sunnybrook Health Sciences Centre, St. Michael's Hospital, Scuola Internazionale Superiore di Studi Avanzati)

Candidates with strong background in the following disciplines are encouraged to apply: computational electromagnetism, computational fluid dynamics, quantum mechanics, numerical mathematics, medical imaging. Funding is guaranteed to all admitted students.

**Institution and environment:** The Electrical and Computer Engineering department of the University of Toronto consistently ranks first in Canada and among the top ECE departments in the world. The university is conveniently located in downtown Toronto, and enjoys the lively and vibrant atmosphere of the city. With nearly all of the world's culture groups represented, and more than 100 languages spoken, Toronto is one of the most diverse and multicultural cities in the world.

**How to apply:** please follow the instructions at [http://www.modelics.org/openings\\_grad.html](http://www.modelics.org/openings_grad.html)

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**For more information:** [www.modelics.org](http://www.modelics.org).