



**PhD and MSc Opportunities**  
**University of Ottawa and UOIT**



**Title:** PEM fuel cells: Mathematical modeling, computation and analysis of micro/nano-scale transport processes near interfaces of porous domains

**Description:** We are looking for one PhD graduate student at the University of Ottawa and one MSc student at the University of Ontario Institute of Technology (UOIT) for a multi-disciplinary project on mathematical modeling, computation and mathematical analysis of micro/nano-scale transport processes near domain interfaces in hydrogen fuel cells.

This position is part of a collaboration between University of Ottawa, UOIT and Toyota Motor Corporation, coordinated by Prof. [Peter Berg](http://faculty.uoit.ca/pberg) (Physics, <http://faculty.uoit.ca/pberg>) and Prof. [Arian Novruzi](http://www.mathstat.uottawa.ca/~novruzi) (Mathematics, <http://www.mathstat.uottawa.ca/~novruzi>),

**Eligibility:**

PhD: MSc (or equivalent) in applied mathematics or physics.

MSc: An undergraduate degree in applied mathematics, physics or engineering.

Experience in mathematical modelling and/or computation is an asset.

**Salary:**

PhD: A total of \$112,000 over 4 years, with an average of \$28,000 per year.

MSc: \$25,000 per year, for two years.

**Starting date for both positions:** September 1st, 2009.

**How to apply:** Interested candidates should send by mail or email:

(i) A curriculum vitae,

(ii) university and MSc transcripts (for PhD position) and

(iii) at least two letters of recommendation

to [Arian Novruzi](http://www.mathstat.uottawa.ca/~novruzi) (PhD position) or to [Peter Berg](http://faculty.uoit.ca/pberg) (MSc position).

**Deadline:** Open until position is filled.

**Contact:**

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