



## The Combustion Institute

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## Postdoctoral Fellowship

A Postdoctoral Fellowship (PDF) is available in the Dworkin group in Mechanical Engineering at Ryerson University, Toronto, Canada.

Subject: Computational Combustion and Soot Formation

Compensation: \$60,000 CAD per year plus benefits

Start: Spring or Summer, 2019

### Duties

- Engage in a program of leading-edge research towards the creation of new knowledge and numerical techniques
- Provide guidance and mentorship to graduate and undergraduate researchers
- Assist in the drafting of applications, manuscripts, proposals and reports
- Other lab management activities

### About the Dworkin group:

Dr. Dworkin holds a Canada Research Chair in High Performance Computing for Sustainable Energy. The Dworkin group focuses primarily on numerical model development, validation, and implementation, but also performs some experiments as needed for certain projects. The group currently has 2 PDFs, 3 PhD students, 3 Masters students, and 3 URAs. More experienced group members engage in mentorship of newer researchers in a team environment that often involves group problem solving. More information can be found at <http://dworkin.blog.ryerson.ca>

### About Ryerson University:

Ryerson is a public research institution in the heart of downtown Toronto offering 62 Bachelor's programs and 55 Masters and PhD programs to over 40,000 students. Ryerson is known for its city building, zone learning, support for social justice, and engineering entrepreneurship. More information can be found at <https://www.ryerson.ca/about/this-is-ryerson/>

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## Essential Requirements

- A recent PhD in Mechanical Engineering or a related field, focusing on Numerical Combustion
- Refined skills in technical writing including a proven history of peer-reviewed publications in high-impact journals in Combustion, such as Combustion and Flame, Proceedings of the Combustion Institute or similar
- Ability to be self-motivated, to motivate others, and provide research leadership
- A commitment to the principles of Equity, Diversity, and Inclusion – the Dworkin Group Philosophy and Code of Conduct

## How to Apply

Interested candidates should send a CV as a pdf attachment to Prof. Dworkin at [seth.dworkin@ryerson.ca](mailto:seth.dworkin@ryerson.ca).

### ***The Combustion Institute Disclaimer***

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