

**1 MSc and 1 PhD positions are available at University of Waterloo
Department of Mechanical and Mechatronics Engineering**

Two positions (1 MSc and 1PhD) are available at the Multi-Physics Interaction Lab at the department of mechanical and mechatronics engineering at the University of Waterloo, Canada.

The selected candidates will participate in a research project to develop a novel aerosolized nanothermite in-space propulsion technology. They will be guided by a team of researchers from our lab and will collaborate with a team of engineers from our industrial sponsor.

The research is highly interdisciplinary; in-depth understanding of one of the following is a must: particle-laden flows, compressible turbulent CFD, induction heating, heat transfer and combustion.

Prior experience in numerical modeling and high-performance computing is desired.

The project involves extensive code development, thus, familiarity with one or more of the following programming languages is required (Fortran, C++, Python).

Start date: September 2019

Please forward your CV, cover letter and official transcripts in PDF format to Dr. Joseph Mouallem (joseph.mouallem@uwaterloo.ca). Please include "CLS-MSc_name" (MSc) or "CLS-PhD_name" (PhD) in the subject line of your email.