



PhD Positions

Project Name:	Thermal Study and Management of Novel Na-ion Batteries
Start date:	As soon as possible in 2026
Program Duration:	48 months (4 years)
Stipend:	Guaranteed minimum of \$35,000 per year for 4 years
Type of Position:	Full time position – 40 hours a week on average
Research Supervisor:	Dr. Dominic Groulx, Professor and Director of the LAMTE

The Laboratory of Applied Multiphase Thermal Engineering (LAMTE) in the [Department of Mechanical Engineering](#) at [Dalhousie University](#) is actively looking for up to two highly motivated PhD candidates with experience and knowledge in the characterization (both thermal and electrical) of batteries, and a background and passion for heat transfer and its application for a project on the thermal management of Na-ion batteries as part of a large multi-institution grant funded through [Volt-Age](#). We are specifically looking for individuals who possesses outstanding problem-solving and analytical skills, can work independently, and have excellent teamwork, interpersonal and communication skills.

Key Responsibilities:

- Perform literature review on the proposed research subject.
- Take ownership of the research project and perform the various research tasks (experimental and/or numerical) required.
- Participate in the preparation of research reports and publications.
- Write and defend a PhD research thesis.

Qualifications:

- Research-based master's thesis in Mechanical Engineering (preferable) or other related engineering discipline.
- Minimum entrance GPA of 3.3/4.3.
- Strong background in the thermofluids and experience in working with batteries and battery systems.
- Preferable experience using various productivity software (Office 365) and engineering software (CADing, MatLab, LabView, COMSOL Multiphysics, ANSYS Fluent, etc.).

Contact Information: Through a well written and titled email, contact Dr. Dominic Groulx at dominic.groulx@dal.ca if interested in this opportunity no later than January 31st, 2026. Include an up-to-date resume, unofficial transcripts and English proficiency test results if required.

We sincerely appreciate all qualified applications but note that only shortlisted candidates will be contacted.

Diversity Statement

Dalhousie University commits to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. The university encourages applications from Indigenous persons (especially Mi'kmaq), persons of Black/African descent (especially African Nova Scotians), and members of other racialized groups, persons with disabilities, women, persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. For more information, please visit www.dal.ca/hiringfordiversity.

Note: In alignment with the [Registration Procedures and Regulations \(5.7.2\)](#): paid employment unrelated to degree requirements should not typically exceed an average of 16 hours per week per term.