



Western

Postdoctoral Fellow/PhD students — Next Generation Battery

Dr. Yang Zhao's group (<https://www.eng.uwo.ca/mies/>) in the Department of Mechanical and Materials Engineering at Western University is accepting applications for postdoctoral fellows and PhD students on the study of next-generation batteries. The candidates will be involved in projects of advanced materials (cathode/anode), interfaces and advanced characterization techniques for next-generation batteries.

Description of Duties: Successful candidates will be expected to publish first-authored papers in high-impact journals, present at international conferences, cultivate their mentoring skills by supervising of graduate students and establishing novel directions of research, and foster their leadership and project management skills by coordinating the research activities ongoing at multiple institutions.

Start Date: As soon as possible.

Term: 12 months with anticipation of renewal.

Experience in the Following Areas is Desirable:

- Developing electrodes (cathode/anode) and solid-state electrolytes for next-generation batteries (Na and multivalent ion);
- Thin film deposition techniques (Atomic layer deposition and molecular layer deposition);
- Pouch cells design and manufacture;
- Additive manufacture for batteries;
- In-situ synchrotron X-ray techniques.

Application process:

Interested applicants should send a: (1) Cover letter; (2) CV; and (3) Contact information of three referees to: yzhao628@uwo.ca; Review of applications will begin immediately and continue until the position is filled. Only applicants selected for an interview will be contacted; there is no need to follow up.

We are committed to building an equitable, diverse, and inclusive community. While all qualified applicants are invited to apply, we particularly welcome applications from individuals that identify with groups traditionally underrepresented in engineering and other equity deserving groups. We will strive to hire individuals who share our commitment to equity, diversity, and inclusivity.