

## POSTDOCTORAL POSITION IN SMART COATING TECHNOLOGY

### Lab of Professor Xuehua Zhang

We invite applications for one postdoctoral fellow position to work on a project in Department of Chemical & Materials Engineering at the University of Alberta in Edmonton, Alberta, Canada. The position starts immediately, and is 1 year with the possibility for renewal.

#### Job description

1. To conduct high quality research under the guidance of senior researchers
2. To develop smart coating technology supported by NSERC Alliance Program
3. To design and fabricate transparent coatings for sensors used in artificial intelligence
4. To characterize durability of the coating fabricated on hard and soft substrates
5. To effectively communicate the findings and be enthusiastic about cutting edge research
6. To write manuscripts for publications in high impact journals
7. To assist mentoring undergraduate and graduate students in the same area
8. To keep abreast of international research trends and outcomes in relevant areas
9. To maintain contact with relevant departments of universities and other institutions and liaise actively with international collaborators
10. To follow all relevant laboratory safety codes and practices

#### Qualifications

1. PhD or equivalent research experience in materials, nanotechnology or polymer processing.
2. Highly developed skills in chemical quantification and characterization of coating properties
3. Demonstrated ability to undertake independent research evidenced by strong publications
4. Demonstrated initiative in research and problem solving and interest in interdisciplinary research and technology transfer.
5. Demonstrated ability to work effectively as a member of a research team.
6. Excellent interpersonal and communications skills appropriate for interacting with students, staff and industry, together with a strong commitment to teamwork and multidisciplinary international collaboration.
7. Self-starter and motivator with the mind-set of focusing on deliverables and getting the job done in time.

#### To Apply:

Application instructions. Forward your CV and contact information for three references to:

Contact Name: Xuehua Zhang

Email address [Xuehua.zhang@ualberta.ca](mailto:Xuehua.zhang@ualberta.ca)

#### Closing date:

Will be open until filled.

**We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**

*The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.*