POSTDOCTORAL POSITION IN RHEOLOGY

Lab of Profs. Weixing Chen and Xuehua Zhang

We plan to have a successful candidate pursue promising leads in the areas of rheology, in particular, rheological properties of feedstock in fabrication of fibers by using byproducts from oil industry. We invite applications for one postdoctoral fellow position to work on an interdisciplinary research program in Department of Chemical & Materials Engineering at the University of Alberta in Edmonton, Alberta, Canada. The positions are 1 year with the possibility for renewal.

Job description

1. To conduct high quality research under the guidance of senior researchers.
2. To develop relevant experimental methodology, data processing and interpretation and theoretic analysis of rheological properties of complex fluids, and co-supervise postgraduates and undergraduate research students.
3. To prepare presentations and reports for regular communications with other team members and the project sponsors.
4. To keep abreast of international research trends and outcomes in relevant areas, and make significant contributions to the advancement of fundamental understanding and its applications to fiber formation.
5. To be familiar with all relevant laboratory safety codes and practices.

Qualifications

1. PhD or equivalent research experience in rheology of complex fluids, experimental fluid dynamics or chemical and materials engineering.
2. Highly developed skills in determining rheological properties of highly complex samples and experience in operation of rheometers under high temperature and controlled gas environment.
3. Demonstrated ability to undertake independent research evidenced by technical reports, publications, and development of new research initiatives.
4. Demonstrated initiative in research and problem solving.
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 project sponsors, together with a strong commitment to teamwork and multidisciplinary 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

Closing date:
Will be open until the position(s) are 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.