

Post Doctoral Position

Department of Chemical and Materials Engineering University of Alberta, Edmonton

A post-doctoral position is available effective immediately in the Department of Chemical and Materials Engineering at the University of Alberta. The objective of the research is to investigate heat transfer, mass transfer and reaction in a fluidized bed reactor operating with liquid feed. The liquid feed forms agglomerates of solid particles and liquid, and this is where the reactions of interest occur. The research will involve a combination of reactor experiments and modeling of the simultaneous heat transfer, mass transfer and reaction. This project will involve collaborative research with Syncrude Canada Ltd, and will use laboratory facilities at both the University of Alberta and at Syncrude Research Ltd.

Additional information on our research program on upgrading of bitumen is available at www.ualberta.ca/~gray.

The appointment is for an initial period of one year, renewable subject to satisfactory performance. Salary is in the range of \$30,000 to \$35,000 depending on experience. A background in experimental work, with an emphasis on chemical reaction engineering, transport processes and fluidization, is preferred. The position involves considerable interaction with research staff at Syncrude, as well as the University of Alberta, therefore, good communication skill are essential.

Curriculum vitae and the names of three references should be sent to:

Murray R Gray
Department of Chemical and Materials Engineering
University of Alberta
Edmonton, AB T6G 2G6
E-mail: murray.gray@ualberta.ca