

Postdoctoral/Research Associate Position in Biomass and Bioenergy Systems Engineering/Biorefinery (CODE: PDF-BIOMASS)

We are looking for individuals with research experience broadly in the area of energy and environmental systems engineering with a focus on biomass. Individuals applying for this position should have an interest and research experience in modelling biomass-based energy conversion systems, specifically in the conversion of forest-based biomass or biomass waste generated by the forest industry to fuels and chemicals. The candidate should have experience developing techno-economic models for the estimation of the viability of these types of energy systems. The individual should also have some experience in modeling biomass conversion processes using relevant tools (e.g., Aspen Plus).

The candidate is expected to carry out research on assigned project(s). The candidate will also have an opportunity to develop and initiate new research activities in relevant areas and supervise junior researchers. The candidate would also have an opportunity to teach relevant courses in the Department of Mechanical Engineering based on their background.

The successful candidate will have the opportunity to join an active group of researchers in the areas of energy and environmental systems engineering being supported by industry and government. The position is initially for two years and has the possibility of extension. The remuneration will be commensurate with qualifications. The position is available immediately and the applications will be reviewed as received. Due to the high volume of applicants, only those of interest will be contacted by our office.

Desired Qualifications: The candidates should have a PhD in a relevant engineering discipline with an emphasis on bioenergy systems.

Please include the CODE: **PDF-BIOMASS** in your application. Interested candidates should send their curriculum vitae and the names of three references by e-mail to:

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As one of Canada's top teaching and research universities, the University of Alberta (www.ualberta.ca) employs over 14,000 full- and part-time staff across four campuses making us one of the largest employers in the province of Alberta.

The University of Alberta hires 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.