

One postdoctoral fellow (PDF) position is available at the University of Alberta, Canada. The PDF is expected to work with Dr. Ying Hei Chui and Dr. Qipei (Gavin) Mei and to lead the projects on the development of applying AI technologies to timber structural design.

Qualifications of the applicant:

- The applicant must hold or are expected to obtain a PhD degree by the time of hiring in a relevant discipline (e.g., civil engineering, mechanical engineering, computer science, electrical engineering, etc.).
- The applicant should be highly motivated, well organized and passionate about research, with good communication skills in English and competent publication records.
- The applicant should have a strong desire to conduct transformational research in close collaboration with the industry.
- Demonstrated ability to conduct research independently or in a team.
- Previous research experience in machine learning and structural design is preferred.

Responsibilities and training:

- Develop AI solutions for timber structural design.
- Conduct research independently with the guidance of supervisors.
- Deliver clear and concise written and oral presentations of data analysis and internal/external reports.
- Prepare manuscripts for journal/conference publications and present their work at national/international conferences.
- Involved in proposal writing.
- Mentor junior graduate students in both technical and safety matters.

Duration & Salary:

- This full-time pdf position has an initial 1-year appointment (as per UofA policy for PDFs), with the potential for annual renewal/promotion for up to 2 years.
- Salary will be commensurate with qualifications.
- The appointment is expected to begin immediately or no later than December 2023.
- Review of applications will start immediately and will continue until the position is filled.

Application:

Please send a copy of your up-to-date CV, a cover letter, transcripts, and contact information of at least 3 references to Dr. Ying Hei Chui at yhc@ualberta.ca and Dr. Qipei (Gavin) Mei at qipei.mei@ualberta.ca. The University of Alberta is deeply committed to improving equity, diversity and inclusion in engineering. Women and Under-represented minorities are strongly encouraged to apply.

