

Applications are invited for a 2-year postdoc position in the area of finite element modeling of advanced nuclear fuels. This position is a full-time position at the University of Western Ontario, Canada, and the selected applicant can start effective immediately.

The aim of the project is to understand the fracture of advanced nuclear fuels under various thermomechanical loads and irradiation environments. The selected applicant will collaborate with other group members of [Multiscale Deformation Lab](#) as well as with scientists from the [Canadian Nuclear Laboratories](#).

Applicants will be assessed based on how they meet the **following criteria**:

- Prior publications in relevant research area, i.e, FE modeling and fracture mechanics.
- Excellent degree in the relevant discipline
- Excellent written and spoken communication skills.

The following qualities are desirable:

- Strong background in fracture mechanics, and modeling deformation mechanisms
- Strong background in crystal plasticity modeling.
- Ability to program in Fortran, MATLAB, and Python.
- Ability to work in a collaborative environment.

Application procedure:

Please email your CV and cover letter to [Hamid Abdolvand](#). This position is open until filled.

Relevant information about the group can be found in the following links:
<https://www.eng.uwo.ca/msdl/>