

## PDF Position Available – Numerical Physics-Informed Machine Learning

### The Position

Dr. Peichun Amy Tsai of the Department of Mechanical Engineering at the University of Alberta invites applications and queries for a postdoc (PDF) position in the area of **Physics-informed Machine Learning**.

This position will be open to candidates who possess relevant degrees in Mechanical Engineering, Physics or Computer Science. **Applicants with expertise and experience in machine learning, big data analysis, computational fluid dynamics (CFD), or/and drug absorption modelling are highly encouraged to apply.** This position is available to Canadian citizens, permanent residents of Canada, and international applicants. It is expected that the successful candidate will take up the position in the Fall of 2022. Interested candidates may wish to visit the Tsai group website at <https://sites.ualberta.ca/~peichun>.

### The Project

The proposed research project primarily aims at **Machine Learning applications in Transport Phenomena and Pharmacokinetics**. Previous experience and training in machine learning, fluid dynamics or transport phenomena are essential.

### Application Procedure

Candidates are asked to submit complete applications, which include: **i) a cover letter**; **ii) a detailed curriculum vitae** highlighting career achievements, areas of research, a list of publications, awards and honours, and a list of three professional references; **iii) a statement of research** interest, expertise, and experience (maximum 1 page); and **iv) up to 3 samples** of the candidate's significant work.

Interested candidates should send their completed application packages and direct queries to **Dr. Peichun Amy Tsai** by email at [peichun.amy.tsai \(at\) ualberta.ca](mailto:peichun.amy.tsai@ualberta.ca). The position will remain open until fill.