Postdoctoral Position: Quantum Computing for Chemistry

A postdoctoral position is available at the University of Toronto, Ontario, Canada, in the field of **quantum computing for chemistry.**

The work will involve multiple ways of computing molecules, both with traditional *ab initio* methods (such as implemented in Gaussian or GAMESS) running on classical computers and also with new quantum computer/quantum annealer approaches. We are looking for a highly motivated and creative candidate interested in interdisciplinary research working with researchers from the Department of Chemistry and from the Department of Electrical and Computer Engineering at the University of Toronto. Substantial experience in quantum chemistry is required, ideally in *ab initio* methods; some experience with quantum computers/quantum algorithms is a strong asset. At minimum, the applicant would need to demonstrate the willingness to acquire the necessary quantum computing background and have the proven capabilities to do so (e.g., via a strong background in classical computing).

The research will be supervised by Professor Ulrich Fekl and Professor Hans-Arno Jacobsen. The position is expected to have funding for one year, with the possibility for extension. The candidate should be able to start as soon as possible (details negotiable).

Application Details & Contact: Applicants should submit a cover letter highlighting qualifications and an academic curriculum vitae with list of publications as **one single PDF** file to Ms. Jian Shen <gigi.shen@utoronto.ca> by **no later than March 1st, 2022.** Also, one letter of recommendation should be emailed directly from the reference to Ms. Shen. The position is funded by the Data Sciences Institute at the University of Toronto.