Computational Physics Support Specialist

The High Energy Physics Group at the University of Victoria in Victoria, B.C., Canada has an opening for a Computational Physics Support Specialist to work on state-of-the-art problems in high-performance computing.  The position will be based in Victoria and will support researchers on the BaBar Experiment based at the Stanford Linear Accelerator Center (SLAC) in California.   The BaBar Experiment is operated by a collaboration of 600 researchers from the US, Europe and Canada. The primary goal of the experiment is to understand the asymmetry between matter and antimatter.

The candidate will be responsible for supporting and managing high-energy physics application software for the entire BaBar Collaboration.   The ideal candidate will have a graduate degree in physics.   The position requires extensive knowledge of the Linux operating system as well as languages such as C++ and scripting languages such as Python. Experience with the analysis techniques used in high-energy physics experiments and familiarity with Grid computing tools would be an asset.   Good communication and interpersonal skills are essential, as is the ability to work in a team environment involving researchers from around the world.  The position may involve a limited amount of travel to SLAC.

The Canadian team on the BaBar Experiment includes faculty, research associates and graduate students at McGill University, Universite de Montreal, UBC in Vancouver and the University of Victoria. The group has access to high performance computing clusters and peta-scale storage facilities across Canada.  These facilities serve as the Canadian contribution to the internationally-distributed computing resources used by the BaBar Collaboration.

This position is for a period of two years. Further annual renewals may be possible by mutual agreement. All qualified applicants are encouraged to submit their application electronically to lcharron@uvic.ca and to include the names of three references.  The position will remain open until a suitable candidate is found; however, applications should be received by August 15, 2007 to ensure full consideration.

All qualified candidates are encouraged to apply; however, in accordance with Canadian Immigration requirements, Canadians and permanent residents will be given priority.