SHARCNET is currently seeking a High Performance Computing Technical Consultant, based out of York University. SHARCNET is a consortium of 19 universities and colleges operating a network of high performance computing (HPC) clusters across south western, central and northern Ontario. SHARCNET is a partner organization of The Digital Research Alliance of Canada. SHARCNET and The Alliance provide advanced computing resources and services for researchers. See www.sharcnet.ca and https://alliancecan.ca/ for more information.

SHARCNET provides some of the most powerful high performance computing infrastructure in Canada for academic research. As part of our mission to enable excellent research, we require advanced technical consultants to support the user community in leveraging this infrastructure for forefront research. This position will primarily be interacting with users at York University and assisting all users using the digital infrastructure available across the country. As part of the technical team reporting to the Director of Technology, HPC technical consultants provide organizational focus for, and development of, the local user community with specific responsibilities to:

- Provide broad high-performance computing user support, tools, and training for users, scientific researchers, and programmers
- Provide programming and consulting support to build expertise in the use of SHARCNET facilities
- Act as a primary source of HPC expertise within SHARCNET
- Develop customized software tools to satisfy user and staff needs
- Help maintain the software environment on the SHARCNET facilities

Candidates for this position must have a graduate degree in a scientific discipline and relevant experience in scientific research. Candidates must possess demonstrated experience programming in the most commonly-used languages for scientific computing including, but not limited to, Python, R, C/C++, Fortran, Julia and Matlab, etc; excellent verbal and written communication skills; experience writing documentation; demonstrated application programming experience under Linux; and demonstrated experience with cluster/MPI programming, accelerator/GPU programming and/or other parallelization techniques. In addition, candidates must have a demonstrated knowledge across a broad range of scientific disciplines and high performance computing skills. Experience in a university research environment is an asset.

SHARCNET and York University welcome applications from all qualified individuals, including individuals within the University's employment equity categories of women, persons with disabilities, members of visible minorities and aboriginal persons, individuals of diverse gender and sexual orientation and all groups protected by the Human Rights Code. SHARCNET and York University are committed to employment equity and diversity and a positive and supportive environment. York University offers accommodation for applicants with disabilities in its recruitment processes. If you are contacted by SHARCNET or York University regarding a job opportunity or testing, please advise if you require accommodation. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.

Applicants should submit in one PDF file:

- A signed cover letter briefly detailing the applicant's relevant experience for the position
- A current resume
- The names and contact information of three referees

The term of employment is from the present time until March 31, 2023. It is anticipated that the position will be renewed on an annual basis, subject to Provincial and Federal funding. Please direct any questions and submit completed applications to **sharcnet@yorku.ca** by January 15, 2022 or until the position is filled.