Canadian Light Source Inc. (CLSI) is Canada's national synchrotron research facility located on the campus of the University of Saskatchewan in Saskatoon. CLSI is now accepting applications for a Health Physicist position in the Department of Health Safety and Environment (HSE).

HSE Health Physicist - Job No. 612

Responsibilities: Reporting to HSE Manager, the position provides health physics support during design, commissioning and operation of particle accelerators and synchrotron beamlines including assessing radiological hazards, performing shielding calculation and other health physics analyses under various beam loss scenarios and operational modes using Monte Carlo codes and analytic methods, assisting in calculating heat loads and radiation damage to critical devices, assisting in the design of the personnel radiation protection systems and beam containment system, supervising radiation measurements and establishing area monitoring, and working closely with other HSE personnel in routine radiological monitoring of areas inside and outside CLS facility. The incumbent will assist CLS staff in analyzing radiological hazards and identifying controls for radiological work and activities involving radioactive materials and radiation producing devices, document radiological protection assessment for submittal to regulatory agencies at each stage of the design, commissioning, and operation of the new facilities, participate in the development of the radiation protection program at CLS, which involves studying of federal, provincial and local regulations, participating and responding to inspections and audits by regulatory agencies, developing internal policies and procedures, and writing technical documents. Participating actively in research and development activities in radiation/health physics in support of overall CLS mission; publishing R&D results and taking part in professional conferences and workshops, and development opportunities in the field is expected.

Qualifications: Ph.D. in health/radiation physics, nuclear engineering, or a related field; or an equivalent combination of education and experience. Working knowledge of radiation shielding design, radiation detectors and survey instruments, dosimetry, activation calculations, and radiation safety systems used in particle accelerators and synchrotron beamlines are a definite asset. Demonstrated experience in the use of Monte Carlo radiation transport codes for radiological safety analyses of particle accelerators and/or synchrotron radiation facilities is desired. Excellent verbal, written and interpersonal skills to communicate effectively with various internal and external stakeholders are required. On-call duties and shift work will be required. This position is full-time for a two-year term with a possibility of becoming permanent.

Remuneration: The Canadian Light Source offers a salary commensurate with qualifications and experience, as well as a comprehensive benefits package that includes employer-paid health and dental insurance, life insurance, short and long term disability insurance, a defined-contribution pension plan, and 4 weeks annual vacation.

Interested individuals are asked to submit a cover letter and resume with at least two professional references, in confidence, to jobs@lightsource.ca. Deadline for applications is September 7, 2010. Please quote Job No. 612 in the subject line of the e-mail. While all applicants are thanked for their interest, only short-listed candidates will be contacted.

Although first consideration will be given to citizens and Permanent Residents of Canada (in accordance with Canadian Immigration regulations) CLSI strongly encourages all qualified applicants to apply. CLSI is an equal opportunity employer and encourages members of designated groups (women, aboriginal people, people with disabilities and visible minorities) to self-identify on their applications.

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