



## **EXPERIMENTAL PHYSICIST**

**(Category: Permanent, Full-Time; Location: Chalk River, Ontario)**

BTI is a dynamic company with world-renowned expertise in radiation detection, addressing applications in the defence, homeland security, space, industrial, and medical sectors. BTI is seeking an Experimental Physicist to support a range of research and development activities, including product development and product support.

Candidates must meet the following profile:

- Due to security requirements, the candidate must be a Canadian or US citizen, or a permanent resident of Canada, and will be required to provide a criminal record check as a condition of employment.
- Master's or Ph.D. degree in Nuclear, Particle, or Medical Physics or closely-related field with strong academic or professional record. A foundation in Engineering is an asset.
- Experience in hands-on experimental work including set-up and troubleshooting of electronics and mechanical hardware.
- Experience in developing and testing radiation detectors and associated instrumentation.
- Experience with analysis of data from radiation-detection systems, including programming using, e.g., MATLAB and/or C/C++.
- Ability to generate clear and detailed technical documents, including design specifications, test procedures, and technical reports/presentations.
- Ability to interface technically with hardware, firmware, and software team members.
- Excellent interpersonal and communication skills for interfacing with customers and working within a multi-disciplinary team of scientific, engineering, manufacturing, and management personnel.
- Must be creative, self-motivated, organized, receptive to constructive feedback, and able to learn quickly on continuous basis.
- Useful additional skills include: expertise in radiation dosimetry; experience with portable instrument design; experience with software and systems engineering; electronics and firmware development.
- Must be willing and able to travel internationally on an occasional basis.

Interested candidates must electronically submit a cover letter, résumé, copy of relevant transcripts, and contact information for at least two professional references to:

**Bubble Technology Industries  
Attn: Human Resources, Ref.# RD-01-2020-001  
31278 Highway 17, P.O. Box 100  
Chalk River, Ontario, Canada, K0J 1J0  
E-mail: [hr@bubbletech.ca](mailto:hr@bubbletech.ca)**

**Submission Deadline: March 31, 2020**

Only those candidates granted an interview will be contacted. No phone calls please.

Accommodations for candidates with disabilities are available on request.

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