

## OBJECTIVE

Health Physicist

---

## HIGHLIGHT OF QUALIFICATIONS

- Successfully completed part one of certification in health physics through the American Academy of Health Physics
  - 3 years of experience in applied radiation physics and detection techniques
  - Hands-on experience in radiation services (calibration, analysis and monitoring)
  - Well versed with recommendations and guidelines of radiological protection standards (ICRP60, ICRP103, IAEA TECDOC, CNSC REGDOC, NRC And others)
  - Knowledge of radiation protection philosophy, principles, procedures, equipment and techniques used both in theory and practice
  - Practical experience in computer modelling with MCNPX, RESRAD and MicroShield
  - Leadership skills developed through several projects, including the design and management of radiation instrumentation
  - Demonstrate a high degree of creativity, resourcefulness, and efficiency
  - Ability to write technical reports and communicate effectively
  - Effective leader who works towards meeting organizational goals demonstrated in founding and managing the Health Physics Association at UOIT
  - Extensive experience using Microsoft Office software suite
- 

## EDUCATION

- ❖ **M.A.Sc. in Nuclear Engineering Specializing in Health Physics** **2013**  
Faculty of Energy Systems and Nuclear Science  
University of Ontario Institute of Technology, Oshawa, Ontario, Canada  
**Thesis:** *Development of Energy Compensated Geiger Muller Detector*
  
  - ❖ **B.Sc. (Hons.) in Health Physics and Radiation Science** **2010**  
Faculty of Energy Systems and Nuclear Science  
University of Ontario Institute of Technology, Oshawa, Ontario, Canada
- 

## WORK EXPERIENCE

### **Health Physicist Trainee**

**Aug- Oct 2013**

Biomedical Physics Department, KFSH&RC, Riyadh

- Gained practical experience in calibrating various types of detectors and monitors in a Secondary Standard Dosimetry Lab facility certified by the IAEA
- Operated a HPGe Detector at the health physics lab to test various environmental samples and developed a detailed Internal Policy Procedure for its operation
- Performed contamination survey of wipe/leak tests samples from different clients
- Assisted in the approval process of shipping radiopharmaceuticals produced by the cyclotron facility
- Helped with the review of the Radiation Safety Manual

**Graduate Teaching Assistant/ Research Assistant** **2011-2013**

University of Ontario Institute of Technology, Oshawa, Ontario

- Prepared and supervised student activities in applied radiation labs including but not limited to Activity Measurement, Gamma Spectrometry, and Sample Analysis
- Held office hours to address students questions and concerns regarding the course
- Contributed in the establishment of the neutron facility and the applied radiation laboratories, class II facility, at UOIT

**Geiger Muller/ Gas Tube Physicist** **2009-2010**

Canberra Co., Concord, Ontario

- Lead project manager of numerous projects including the development of specification sheets for gas filled detectors, reviewing and updating manuals and procedures for gas filled detector production, and the development of a gas filled detector production tracker database
- Provided radiation services such as calibration, quality assurance and source records management.

---

## **VOLUNTEER EXPERIENCE**

President & Founder, Health Physics Association, UOIT **2008-2010**

Marketing Co-coordinator, Canadian Nuclear Society – UOIT-DC **2009-2010**

---

## **TRAININGS/ CERTIFICATIONS**

- ❖ **Radiation Safety** **2013**  
University of Ontario Institute of Technology
- ❖ **Transport of Dangerous Goods, Class 7** **2010**  
Canadian Radiation Protection Association
- ❖ **Radiation Instrumentation** **2010**  
Canadian Nuclear Safety Commission
- ❖ **Fundamentals of Gamma Ray Spectroscopy II** **2013**  
Colorado State University

---

## **AWARDS AND ACHIEVEMENTS**

Best Poster Award of the Faculty of Energy Systems and Nuclear Science 2010-2011  
Founder & President of the Health Physics Association Award 2012-2013

---

## **AFFILIATION**

- ❖ An associate member of the American Academy of Health Physics 2013-present
- ❖ Member of the Health Physics Society 2009-present
- ❖ Member of the Canadian Radiation Protection Association 2010-present
- ❖ Member of the Canadian Nuclear Society 2009-present