GRADUATE STUDENTS RESEARCH POSITIONS IN ULTRAFAST AND NONLINEAR OPTICS, FREQUENCY COMB LASER TECHNOLOGY, AND PRECISION OPTICAL MAGNETOMETRY

The Laser Science Lab is part of the Department of Electrical and Computer Engineering at the University of Alberta. Our lab’s research covers development of novel lasers and their application in precision magnetometry (including tests of fundamental physics), medical imaging, communication and sensing. Specific research themes are focused on:

- Novel nonlinear optics schemes for robust frequency comb generation
- Development of High-power femtosecond lasers for generating high-power extreme ultraviolet sources
- Ultraviolet frequency comb spectroscopy of noble gases for precision magnetometry

We have positions available for highly motivated graduate students with excellent background in Physics, Electrical Engineering, or a multidisciplinary background, and a strong interest in laser technology and light-matter interaction. **Candidates should contact Prof Porat** (gporat@ualberta.ca). Please include a short research statement and CV.

The University of Alberta (UAlberta) is a destination of choice for students from around the globe! Our five campuses are home to world-class facilities that offer top-quality learning environments, especially in the fields of Medicine, Health Sciences, and Petroleum Engineering. UAlberta also houses the nanoFAB facility and the National Institute for Nanotechnology (NINT), which is at the forefront of research in interdisciplinary sciences. We are located in Edmonton, a modern city of one million people, with clean streets, safe neighbourhoods, and beautiful natural areas. Known as “Canada’s Festival City,” it hosts over 30 festivals throughout the year. Edmonton is in close proximity to the majestic Rocky Mountains, one of the most magnificent areas in the world. UAlberta is located just a few hours from the Canadian Rockies.