

Crustal and Global Seismology at University of Alberta

Available Positions & Projects

MSc. and Ph.D positions are currently available at the University of Alberta for the following research projects:

- Seismic Imaging of the Earth's Crust and Mantle

The aim of this project is to improve the quality of seismic imaging by taking advantage of effective exploration-based techniques. This would be a collaborative project with the Signal Analysis and Imaging Group (SAIG) headed by Dr. Mauricio Sacchi. We seek qualified students to conduct research in the broad areas of seismic characterization and imaging of the crust and mantle.

- Regional Seismicity and Structure Beneath Southwest Canada

Starting in 2005, our group spearheaded the first broadband seismic array in Alberta. Currently this project is in close collaboration with Alberta Geological Survey, with the number of total seismic stations to exceed 30 by 2013. We seek qualified students to work with the network seismic recordings and conduct original studies both in regional seismic sources and in crust/mantle structures.

Admitted students will be jointly supervised by **Dr. Jeff Gu** (Global, Crustal and Mantle Seismology) and **Dr. Mauricio Sacchi** (Imaging and Applied Seismology)

Questions regarding admissions can be found at

<http://www.physics.ualberta.ca/grad.aspx> or directly contact
ygu@ualberta.ca, msacchi@ualberta.ca