



# RESEARCH THAT ROCKS: 15 Years of International Collaboration, Enhancing Exploration and Resource Development

**Dr Hollings'** research is focused on the relationship between igneous petrogenesis and mineralization. This talk will highlight the results of that research in Northwestern Ontario, the Philippines and South America and illustrate how those studies can be used to develop new tools in the search for ore deposits.

Much of **Dr. Hollings'** current research focuses on the application of whole rock geochemistry and petrology to the exploration for ore deposits. His Masters students have completed theses on the petrogenesis of PGE mineralisation at two deposits in NW Ontario, nitrogen isotopes at the Musselwhite gold mine and VMS mineralisation in the Shebanowan greenstone belt. Current students are investigating VMS, gold and PGE deposits, diamondiferous lamprophyres in the Wawa and Kirkland Lake areas and porphyry deposits in the Baguio District of the Philippines. In addition to his own research and watching over all his students, Dr. Hollings also has a number of ongoing projects investigating the rocks of the Midcontinent Rift in collaboration with the Ontario Geological Survey.

**Thursday, March 10, 2016**  
**ATAC 5036**  
**10:00 am – 11:00 am**



**Lakehead**  
UNIVERSITY