

LAKEHEAD  
*Lakehead University Geology Department*  
*Alumni Newsletter #6*  
 GEOLOGY

*July, 2013*

As we start another year in the Geology Department, it is with great pleasure that we can introduce our new faculty member, Dr. Shannon Zurevinski. Shannon is replacing Dr Steve Kissin who retired this year, with his last class being visited by many of the students he had taught over the years. However, Steve finished on a high note having received the Career Achievement Award from the Northwestern Ontario Prospectors Association. Steve has been awarded Emeritus status at Lakehead and will be continuing to work closely with the Department.



*Geology alumni gather to celebrate with Steve as he completes his last class*

*Steve receives his award from Mark O'Brien*



Shannon Zurevinski is pleased to be returning to the Geology department in August. She spent the last few years here in Thunder Bay as the Mineral Deposit Compilation Geoscientist for Northwestern Ontario with the Resident Geologist Program of the Ontario Geological Survey. Shannon is a mineralogist and her most recent research has focused on the mineralogy, petrology and isotopic geochemistry of mantle-derived rocks (kimberlites and related rocks). She characterizes the mantle rocks utilizing a variety of analytical techniques such as optical microscopy, back-scattered electron petrographic methods, thermal ionization mass spectrometry and x-ray diffraction. Characterization of mantle rocks ultimately defines sources in the mantle from which the samples originated, as well as magma processes that have led to their unique characteristics. Her recent work focused on the Wemindji kimberlites in Quebec, as well as kimberlite occurrences in Ontario and Nunavut. Using the

fundamentals of her past research, Shannon is going to be involved in characterizing the rare earth mineralization of several carbonatite and alkalic rock complexes here in Northwestern Ontario, in an attempt to contribute to the ever growing rare earth metals exploration industry in North America.

Shannon is a graduate of St. Francis Xavier University (B.Sc. Hon. Geology), Lakehead University (M.Sc. Geology), and the University of Alberta (Ph.D. Earth and Atmospheric Sciences). She is excited to begin the next phase of her career at Lakehead.

## Awards

It has been a great few months for our students and alumni. John Mason (*Class of '75*) followed up his award from the Ontario Prospectors Association ([Newsletter #4](#)) when he was presented with an Honorary Degree at this year's convocation. If you are interested in listening to John's great acceptance speech you can find it [here](#) in the afternoon session of the June 1 ceremony.

In a similar vein, Michael D'Angelo, who was featured in our [last newsletter](#), followed up his award from the SEG by winning the Gélinas medal from the Volcanology and



*R. Hon. Minister Michael Gravelle, Dr. John Mason, Chancellor Derek Burney and President Brian Stevenson*



*Mike D'Angelo receives his medal from Dr. Pete Hollings*

Igneous Petrology Division of the Geological Association of Canada. This award is presented to the best Honours thesis in Canada related to the field of volcanology and igneous petrology. Mike won for his thesis "Igneous textures and mineralogy of the Steepledge Intrusion, Northern Ontario" which was supported by Panoramic PGMs (Canada) Limited and co supervised by Dr Pete Hollings and Geoff Heggie (*MSc, Class of '05*).



## Field school



*Heavy snowfalls late in the Winter made this year's second year field school a little more challenging than usual, as students hunted along the frozen river bank for outcrop.*



**Want to know more? Please visit our web site at [www.geology.lakeheadu.ca](http://www.geology.lakeheadu.ca)**