

GENERAL INFORMATION

The 56th annual Institute on Lake Superior Geology will be held on **Thursday, May 20 and Friday, May 21, 2010** at the Holiday Inn, International Falls, Minnesota. This two day technical session will be preceded and followed by field trips (see below).

The Preregistration deadline is **April 15, 2010**.

The Website for the International Falls meeting is:
<http://lakesuperiorgeology.org/IF2010/index.html>

ORAL AND POSTER PRESENTATIONS

Abstracts for oral or poster presentations must be submitted by **April 15, 2010**. All topics will be considered. Projection hardware will be provided for oral presentations, which must be in MS Powerpoint® format and available at the meeting on a flash drive or CD. Poster spaces are 4' by 8' and are velcro-friendly. Please make any special requirements (e.g. tables) known when submitting abstracts.

ABSTRACTS

All abstracts will be reviewed for content. Authors will be notified of acceptance and time slot by e-mail or mail. Electronic submission of abstracts and figures is required; a template will be made available on the Meeting website. Specifications for abstracts:

- 1) Limit of two 8 ½ x 11" pages, including illustrations and references.
- 2) Times-New Roman font, 12 pitch; top and bottom margins of 1 ¼"; right and left margins of 1".
- 3) Use GSA or GAC-MAC-SEG style for the abstract, title, author(s) name, affiliation, and cited references.
- 4) Digital copies in MS Word® format are preferred; maps and illustrations must be in .jpg/.tif format.
- 5) Specify if oral or poster, and if lead author is a student.

*E-mail abstracts to: Terry Boerboom boerb001@umn.edu.

STUDENTS

Students are especially encouraged to participate in all facets of ILSG. Travel subsidies are available for qualified students – applications at the ILSG website:

<http://lakesuperiorgeology.org/eisenbreyaward.html>.

Applications must be completed and returned to Dr. Peter Hollings, to the address listed at right, by **May 7, 2010**. Cash awards go to the best student-authored presentations.

ACCOMMODATIONS

Rooms have been set aside for ILSG delegates at the Holiday Inn International Falls for \$70/night. Mention that you are reserving for the 56th ILSG. Other local hotels in US and Canada are listed on the ILSG website. Field Trip 2 attendees must also reserve a room in Atikokan for the night prior to the trip – a motel list is also provided on the ILSG website.

DORMS

A limited number of dorms are available at the Rainy River Community College (see website). Dorms are \$60/suite and can accommodate up to 4 people. One person will be financially responsible for each suite rental. Parties can reserve a whole suite, or individuals can be assigned to a shared suite. In either case, contact Mark Jirsa (jirsa001@umn.edu) to reserve one.

FIELD TRIPS

Persons attending field trips must have proper travel documents to cross the border. The country of each trip is indicated below.

Wednesday May 19 Pre-Meeting trips:

1. Mineral deposits of the Rainy River area (Can)

Wednesday, May 19; Leaders: Wally Rayner and CJ Baker (Rainy River Resources), and Craig Ravnaas (OGS).
Examine Rainy River Resources properties in Richardson Township and the Off Lake area.

2. Geology of Archean succession at Atikokan (Can)

Wednesday, May 19; Leaders: Phil Fralick (Lakehead University) and Denver Stone (OGS)
Presents new data on the Atikokan succession, with special attention given to stromatolites and pseudo-stromatolites.
***Requires overnight stay in Atikokan the night before the trip (Tuesday May 18).**

3. Structural geology along the Quetico fault (Can)

Wednesday May 19; Leaders: Howard Poulsen (Consultant) and Dyanna Czeck (UW-Milwaukee).
Examine structural geology along the Quetico Fault.

Friday afternoon Post-Meeting trips:

4. Archean geology of Voyageurs National Park and Little America gold mine (US)

Friday, May 21; Leader: Chris Hemstad (Boreal Explorations)
Geologic boat trip through Voyageurs National Park, including a stop at the historic Little America Island gold mine.

5. Ash River neutrino detector laboratory and the Archean Vermilion Granitic Complex (US)

Friday, May 21; Leaders: Mark Jirsa (MGS) and laboratory staff
Visit the new neutrino detector laboratory under construction in migmatitic rocks of the Vermilion Granitic Complex.

Saturday May 22 Post-Meeting trips:

6. Transect through the Quetico-Wabigoon subprovince boundary (US)

Saturday, May 22; Leaders: Mark Jirsa (MGS) and Chris Hemstad (Boreal Exploration)
Examine the transition zone between the Quetico and Wabigoon subprovinces.

7. Mineral deposits of the Mine Centre – Rainy Lake area (Can)

Saturday, May 22; Leaders: Peter Hinz (OGS) and industry geologists.
Examine layered mafic/ultramafic complexes, VMS, and gold mineralization.

8. Geology and environmental issues of the Steep Rock mine (Can)

Saturday, May 22; Leaders: Andrew Conly (Lakehead University)
Includes results of recent research into water quality and acid mine drainage issues at the Steeprock open pits.

REGISTRATION FORM

Preregistration deadline April 15, 2010

Name: _____

Affiliation: _____

Address: _____

E-Mail: _____

Professional Before April 15 \$75 \$ _____

After April 15 \$90 \$ _____

Student \$45 \$ _____

Annual Awards Banquet \$25 \$ _____

Registration includes Proceedings Volume and Field Trip Guidebook. **Field Trip** prices include transportation and lunch for all-day trips. Field Trip 2 price does **NOT** include lodging/meals in Atikokan the evening prior.

1. Rainy River area \$40 \$ _____

2. Atikokan (*see below) \$40 \$ _____

3. Quetico fault \$45 \$ _____

4. Voyageurs \$20 \$ _____

5. Ash River neutrino \$15 \$ _____

6. Quetico Transect \$55 \$ _____

7. Mine Centre area \$45 \$ _____

8. Steep Rock Envir. \$45 \$ _____

TOTAL ENCLOSED¹
(Canadian and US dollars at par) \$ _____

*Atikokan Accommodations:

Atikokan Hotel – www.atikokanhotel.com
(807) 597-2533

Marlinter Motel – <http://marlinter.vianet.ca/index.html>
(807) 597-2766

Toll Free – 1-866-278-2766

White Otter Inn – <http://www.whiteotterinn.ca/>
(807) 597-2747

¹**Make checks payable to:**

Institute on Lake Superior Geology 2010

Mail completed forms and checks to:

Dr. Peter Hollings

Department of Geology,

Lakehead University

955 Oliver Road,

Thunder Bay, Ontario P7B 5E1 Canada

56th ILSG Organizing Committee
c/o Department of Geology
Lakehead University
955 Oliver Road
Thunder Bay, ON P7B 5E1

56th Institute on Lake Superior Geology
May 19-22, 2010
International Falls, MN, USA

**SECOND CIRCULAR AND
CALL FOR PAPERS**



**INSTITUTE ON LAKE
SUPERIOR GEOLOGY**
established 1955

www.lakesuperiorgeology.org/IF2010/index.html

Hosted By:

Peter Hollings (Lakehead University)
Mark Smyk (Ontario Geological Survey)
Mark Jirsa (Minnesota Geological Survey)
Terry Boerboom (MN Geological Survey)

Co-Chairs, 56th ILSG

SCHEDULED ACTIVITIES AND FIELD TRIPS

Tuesday, May 18, 2010

*Field Trip 2 – overnight in Atikokan.

Wednesday, May 19, 2010

8:00 a.m. – 6:00 p.m. Field Trip 1 – Rainy River area mineral deposits.
Field Trip 2* – Archean succession at Atikokan.
Field Trip 3 – Structural geology along Quetico fault.

4:00 p.m. – 10:00 p.m. Registration,
Poster Session, and
Ice Breaker Social,
Holiday Inn

Thursday, May 20, 2010

8:00 a.m. – 12:00 p.m. Registration continues
9:00 a.m. – 12:00 p.m. Technical Session I
2:00 p.m. – 4:30 p.m. Technical Session II
6:00 p.m. – 7:30 p.m. Mixer / Cash Bar
7:30 p.m. – 9:30 p.m. Annual Banquet and Awards Presentation

Friday, May 21, 2010

9:00 a.m. – 12:00 p.m. Technical Session III
2:00 p.m. – 5:00 p.m. Field trips 4 and 5.
6:00 p.m. Social Gathering (*t.b.a.*)

Saturday, May 22, 2010

8:00 a.m. – 6:00 p.m. Field Trip 6 – Quetico-Wabigoon Transect
Field Trip 7 – Mine Centre
Field Trip 8 – Steep Rock

U.S. field trips leave from and return to the Holiday Inn. Canadian trips leave from the Rec. Center in Fort Frances, Ontario, except registrants for *field trip 2 overnight in Atikokan the night prior.

TRANSPORTATION

International Falls is situated on the Canadian Border adjacent to Fort Frances, Ontario, 150 miles north of Duluth (a 3 hour drive on Highway 53), or 350 km west of Thunder Bay (a 4 hour drive on Highway 11). Delta/Northwest offers daily commercial flights from Minneapolis (msp) to the Falls International Airport (inl)