GENERAL INFORMATION

The 57th annual Institute on Lake Superior Geology will be held on Thursday, May 19 and Friday, May 20, 2011 at the AmericInn, Ashland, WI. This two-day technical session will be preceded and followed by great field trips. The preregistration deadline is **April 15, 2011**.

The website for the Ashland meeting is:

http://lakesuperiorgeology.org/Ashland2011/index.html

ORAL AND POSTER PRESENTATIONS

Abstracts for oral or poster presentations must be submitted by April 15, 2011. All topics will be considered. Digital projection hardware will be provided for oral presentations, which should be in MS PowerPoint® format and available at the meeting on a flash drive or CD. Poster spaces are 4' (vertical) by 8' (horizontal) 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 strongly encouraged and 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, bottom and left margins of 1 1/4"; right margins of 1".
- 3) Use GSA or GAC-MAC-SEG style for the abstract, title, author(s) name, affiliation, and cited references.
- 4) Submit digital copies in MS Word® format; maps and illustrations must be in .jpg/.tif format.

E-mail abstracts to: Tom Fitz tfitz@northland.edu

Abstract deadline is April 15.

STUDENTS

Students are especially encouraged to participate in all facets of the ILSG. Travel subsidies are available for qualified students – applications are on the ILSG website: http://lakesuperiorgeology.org/eisenbreyaward.html. Applications must be submitted to Tom Fitz by May 7, 2011 (mail or e-mail). Cash prizes will be awarded for the best student-authored presentations.

Field Trips

Pre-Meeting: Wednesday, May 18:

1) Igneous Stratigraphy of the Layered Series at **Duluth - Type Intrusion of the Duluth Complex**

Leader: Jim Miller (UMD/PRC)

This trip will profile the igneous stratigraphy of the

Layered Series at Duluth, highlighting its differentiation, layering, and contact relationships.

2) Midcontinent Microcosm

Leaders: Marcia Biornerud (Lawrence U.) and Bill Cannon (USGS)

This trip will examine rocks along the Marengo River in Bayfield County, WI, which record events from late Archean time through closure of the Midcontinent Rift

3) Geology of the Bayfield Peninsula: Keweenawan **Bayfield Group and Pleistocene Deposits**

Leaders: Dick Ojakangas (UMD), Drew Cramer, Tom Fitz (Northland College)

This trip first examines the sandstones of the Bayfield Group, including exposures at the Douglas Fault, and then visits Quaternary deposits of the Bayfield Peninsula.

Post-Meeting Friday afternoon trips: May 20:

4) Geology and remediation at the Ashland/Northern **States Power Site**

Leaders: Jamie Dunn (WI DNR)

A tour of the Ashland Lakefront Manufactured Gas Plant site and discussion of the geology, the contaminants, and plans for major remediation work.

5) Bad River Watershed Culvert Restoration Program

Leader: Michele Wheeler (Bad River Watershed Association), and Cassie Bodette (Northland College) Learn about local on-the-ground adaptive management strategies to restore fish passage and prevent sedimentation at restored road stream crossings.

6) Geology of Copper Falls State Park

Leaders: Allison Mills, Drew Cramer, and Tom Fitz (Northland College)

Hike approximately 2 miles through Copper Falls Park to see Keweenawan volcanic and sedimentary rocks as well as the scenic Copper Falls gorge.

Post-Meeting Saturday trips, May 21:

7) Geology of the Montreal River Monocline

Leader: Bill Cannon (USGS)

This trip is a traverse through 25 km of crust, from the Mesoproterozoic Freda Sandstone to Archean metavolcanic rocks.

8) The Archean/Paleoproterozoic unconformity near Denham, Minnesota.

Leaders: Terry Boerboom (Minnesota Geol. Survey) and Dan Holm (Kent State U.)

This trip will examine evidence that deeply weathered Archean crust provided sediment to the overlying Paleoproterozoic strata of a marginal rift, and will also examine the Thomson Formation.

9) Granitic, gabbroic, and ultramafic rocks of the **Keweenawan Mellen Intrusive Complex**

Leader: Tom Fitz (Northland College) Examine the major rock types and relationships within the Keweenawan Intrusive Mellen Complex.

REGISTRATION FORM

Preregistration deadline April 15, 2011

Name:Address:			
 E-Mail:			
Professional	Before April	15 \$65	\$
	After April 1	5 \$75	\$
Student		\$35	\$
Annual Awards Banquet		\$25	\$
(Banquet dinne	r, desert, drink t	icket)	
Barbecue at Northland		\$10	\$
(Social barbecu	e dinner with br	ew)	
Field Trip prolument for all-control Land Land Land Land Land Land Land Land	lay trips.	aidebook, ti \$40	ransportation, and
2. Microcosm		\$30	\$
3. Bayfield Peninsula		\$40	\$
4. Ashland/NSP site		\$5	\$
5. Bad River Culverts		\$7	\$
6. Copper Falls hike		\$15	\$
7. Montreal monocline		\$35	\$
8. Archean unconformity		\$50	\$
9. Mellen complex		\$30	\$
TOTAL ENG		at par)	\$
A			

Accommodations:

A limited number of rooms have been set aside for ILSG delegates at the AmericInn, Ashland. Please mention the ILSG. Other local hotels are listed on the ILSG website.

> AmericInn Ashland: 715-682-9950 http://www.americinn.com/hotels/wi/ashland

Mail completed registration form with check to:

2011 ILSG, c/o Tom Fitz Northland College 1411 Ellis Avenue

Ashland, WI 54806 U.S.A. 57th ILSG Organizing Committee c/o Tom Fitz Northland College 1411 Ellis Avenue Ashland, WI 54806 U.S.A.

Institute on Lake Superior Geology

57th Annual Meeting May 19-20, 2011 Ashland, Wisconsin, USA

SECOND CIRCULAR AND CALL FOR PAPERS



INSTITUTE ON LAKE SUPERIOR GEOLOGY

Established 1955

www.lakesuperiorgeology.org

2011 Meeting Hosted by Northland College

Tom Fitz Chair, 57th ILSG

SCHEDULED ACTIVITIES AND FIELD TRIPS

Wednesday, May 18, 2011

8:00 a.m. – 6:00 p.m. Field Trips 1, 2, 3 4:00 p.m. – 10:00 p.m. Registration

7:00 p.m. – 10:00 p.m. Poster Session, Ice Breaker

Social at AmericInn

Thursday, May 19, 2011

8:00 a.m. – 12:00 p.m.
8:30 a.m. – 11:40 p.m.
1:15 p.m. – 4:20 p.m.
6:00 p.m. – 7:00 p.m.
7:00 p.m. – 9:30 p.m.

Registration continues
Technical Session II
Mixer / Cash Bar
Annual Banquet and
Awards Presentation

Friday, May 20, 2011

8:30 a.m. – 11:40 a.m.

1:15 p.m. – 2:20 p.m.

2:45 p.m. – 6:00 p.m.

6:30 p.m. – 8:30 p.m.

Technical Session III

Technical Session IV

Field trips 4, 5, 6

Barbecue at Northland

Saturday, May 21, 2011

8:00 a.m. – 6:00 p.m. Field Trips 7, 8, 9

All field trips leave from and return to the AmericInn in Ashland. Field trip participants on trips 1, 3, and 8 travelling to/from the west can meet or depart from their trips in the Duluth/Superior area. Details will be provided for trip participants.

TRANSPORTATION

Ashland is located on the south shore of Lake Superior 70 miles east of Duluth (a 1 3/4 hour drive on Highway 2). Delta airlines offers daily commercial flights from Minneapolis (MSP) and Detroit (DTW) to Duluth (DLH), and United airlines offers daily flights from Chicago (ORD) to Duluth. Frontier Airlines offers daily flights to Ironwood (IWD), Michigan (a 45-minute drive east of Ashland) from Milwaukee (MKE).