



ILLINOIS-INDIANA SECTION OF THE AIPG
Invites you to a Field Trip to Visit

Kentland Meteorite Impact Structure Mine

Guided by Dr. Nelson Shaffer, Indiana Geologist

Saturday, August 9, 2014, 9:30 am to 5:30 pm

**Departs from Wang Engineering Parking Lot
1145 N Main St, Lombard, Illinois 60148**

A unique aggregate mine that has operated for 110 years in a meteorite impact site near Kentland, Indiana, exposes more than 400 feet of structurally disrupted Paleozoic strata. Some units have been uplifted more than 1,500 feet. Mapping by R.C. Gutschick revealed the 7-mile, generally circular structure and delineated major fault and folds. But smaller geologic surprises are found during mining; impact indicators (such as shatter cones) are common, and planar features in quartz and high-pressure polymorphs (such as coesite) have also been found. We will see some of the structural complications surrounding the unmined central uplift and will examine smaller features in the quarry. Some easy walking is required. Hard hats are provided, but please wear closed-toe footwear.

Participants will earn 8.0 Professional Development hours

Contact Ramona Cornea at (815) 395-1221, cell (815) 978-7834
or Email r.cornea@comcast.net

**Registration Fee: \$50, Geology Students Free of Charge
(Registration Fee includes Lunch, Snacks, and Guidebook)
(Round Trip by a 15-passanger Van and Car Pool Transportation)**

**Please Make Checks Payable to AIPG IL-IN Section, and mail them to
Ramona Cornea at 5704 Inverness Drive, Rockford, IL 61107 by July 20, 2014**