



# Central Ohio's Geology in Core and Outcrop Workshop II



The Ohio Department of Natural Resources, Division of Geological Survey and Ohio Geological Society in cooperation with Cox-Colvin and DLZ-Ohio, Inc. will host a workshop dedicated to unraveling the mysteries of the near-surface geology of central Ohio. Workshop participants will learn about diagnostic environmental and geologic characteristics, hydrogeologic properties, general engineering characteristics, potential environmental and geologic hazards, and economic uses for eleven bedrock and Quaternary geologic units. Attendees also will receive an overview of central Ohio's geology and how to use Survey mapping products; basic training in core description of bedrock and glacial sediments; and opportunity to use and critique fact sheets written for a planned field guide entitled: *Ohio's Geology in Core and Outcrop—A Field Guide for Citizens and Environmental and Geotechnical Investigators*. Hands-on exercises will bring central Ohio's geologic units alive as participants compare concise fact sheet descriptions with core examples for each unit and outcrop photographs. Also, a series of short cores from boreholes will test interpretative skills, demonstrate the utility of the field guide in simulated field settings, and provide insight to the diversity and stratigraphic relationships of central Ohio's near-surface geologic units. Although the workshop uses central Ohio examples, the techniques and knowledge learned are applicable statewide.

**Who should attend:** Engineering and geoscience professionals performing work in central Ohio, particularly entry-level geoscience employees and engineers, geologists, and drillers wanting to gain additional knowledge on central Ohio's geology.

**When:** Wednesday, April 20, 2011, from 9:00 A.M.–4:00 P.M.

**Where:** [Horace R. Collins Laboratory](#), 3307 South Old State Road, Delaware, Ohio 43015

**Professional Development Hours:** 7.0

**Cost:** \$100 before April 1, 2011  
\$120 through April 11, 2011. After April 11 reservation is closed.  
Please make checks and money orders payable to: **Ohio Geological Society**.

**Seating:** Limited to first 25 participants

**Registration Information:** Registration for the workshop is available by completing and mailing the registration form to **ODNR Division of Geological Survey**, 2045 Morse Road, Columbus, OH 43229-6693.

**Additional Information:** Direct questions to Madge Fitak at (614) 265-6585 or by e-mail at [madge.fitak@dnr.state.oh.us](mailto:madge.fitak@dnr.state.oh.us) or Greg Schumacher at (740) 548-7348, Ext. 125. Additional information is available at the Ohio Geological Society Web site, [www.ohgeosoc.org](http://www.ohgeosoc.org), and ODNR Division of Geological Survey Web site, [www.OhioGeology.com](http://www.OhioGeology.com).

## AGENDA

- |                  |                                                                                                                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00–9:05 A.M.   | Welcome                                                                                                                                                                                                                      |
| 9:05–9:30 A.M.   | Geological Survey's geohazards and geologic mapping programs                                                                                                                                                                 |
| 9:30–10:00 A.M.  | Central Ohio geology                                                                                                                                                                                                         |
| 10:00–10:15 A.M. | Break                                                                                                                                                                                                                        |
| 10:15–11:00 A.M. | <b>Group A exercise:</b> The utility of Geological Survey map products<br><b>Group B exercise:</b> Core description 101; anatomy of a fact sheet                                                                             |
| 11:00–11:45 A.M. | <b>Group A exercise:</b> Core description 101; anatomy of a fact sheet<br><b>Group B exercise:</b> The utility of Geological Survey map products                                                                             |
| 11:45–12:30 P.M. | <b>Lunch provided</b>                                                                                                                                                                                                        |
| 12:30–2:00 P.M.  | <b>Group A exercise:</b> Soil Classifications—Unified, AASHTO, USDA, ODOT's version of AASHTO, and Rock Mass Classification ASTM<br><b>Group B exercise:</b> Utility of fact sheets in field-like settings; group discussion |
| 2:00–2:15 P.M.   | Break                                                                                                                                                                                                                        |
| 2:15–3:45 P.M.   | <b>Group B exercise:</b> Soil Classifications—Unified, AASHTO, USDA, ODOT's version of AASHTO, and Rock Mass Classification ASTM<br><b>Group A exercise:</b> Utility of fact sheets in field-like settings; group discussion |
| 3:45–4:00 P.M.   | Questions; workshop evaluation                                                                                                                                                                                               |



# Central Ohio's Geology in Core and Outcrop Workshop II



Ohio Department of Natural Resources  
Division of Geological Survey  
H. R. Collins Laboratory and Sample Repository

Wednesday, April 20, 2011

PLEASE PRINT

Full Name (to appear on name badge): \_\_\_\_\_

Organization: \_\_\_\_\_

Title: \_\_\_\_\_

Business Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Business Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Workshop participants will earn 7.0 Professional Development Hours.**

**Registration Fee (includes snacks and lunch):**

Before April 1, 2011 ..... **\$100**

Through April 11, 2011 ..... **\$120**  
(after April 11 reservation is closed)

Make check or money order payable to:

**Ohio Geological Society**

Sorry, we cannot accept credit cards.

Mail check and registration form to:

**Central Ohio Core Workshop  
ODNR Division of Geological Survey  
2045 Morse Road, Bldg. C-1  
Columbus, OH 43229-6693**

**Additional Information:** Direct questions to Madge Fitak at (614) 265-6585 or by e-mail at [madge.fitak@dnr.state.oh.us](mailto:madge.fitak@dnr.state.oh.us) or Greg Schumacher at (740) 548-7348, Ext. 125. Additional information is available at the Ohio Geological Society Web site, [www.ohgeosoc.org](http://www.ohgeosoc.org), and ODNR Division of Geological Survey Web site, [www.OhioGeology.com](http://www.OhioGeology.com).