The Appalachian states are tied by common geographical and geological challenges.

Multi-modal transportation in the Appalachian Region is essential for economic development. The coalition includes members from West Virginia, Kentucky, Ohio, Pennsylvania and Virginia Departments of Transportation and Geological Surveys, Federal Highway Administration, U.S. Geological Survey, U.S. Army Corps of Engineers, CSX and Norfolk Southern companies.

This grassroots organization's objectives, as they develop, include:
- sharing of resources and information,
- exchange of methodologies and experiences, and
- collaboration on geologic projects and research activities.

It is an exciting prospect to work with federal, state, and private entities faced with prevention, correction or remediation of similar geologic problems in the Appalachian Region.

**Appalachian States Coalition for Geohazards in Transportation**

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**Registration**

Please register by **Friday, July 25**.

**Cost:**
- $25 for professionals
- $10 for full-time students

**Sandra Jones**, RTI Secretary

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Mail: RTI, PO Box 5425

Huntington, WV 25703-0425

A block of rooms is reserved at **Springs Inn**, 2020 Harrodsburg Road in Lexington under **Rahall Transportation**. Call 800.354.9503 by **July 6** for the special rate of $60 per night. Shuttle service from Springs Inn is available upon request.
## Geohazards in Transportation in the Appalachian Region

8:00 a.m.  Registration/Continental Breakfast  
Room 102  

The 3rd Annual Technical Forum, an activity of the Appalachian States Coalition for Geohazards in Transportation, is sponsored by the Nick J. Rahall, II Appalachian Transportation Institute (RTI) and Kentucky Geological Survey.

RTI, a U.S. Department of Transportation University Transportation Center, was established at Marshall University by the U.S. Congress in the Transportation Equity Act for the 21st Century on June 8, 1998. The grant includes four partner schools in southern West Virginia.

The Appalachian States Coalition is comprised of representatives from the principal federal, state, and private transportation entities.

### Coalition Chair

Tony Szwilski, Ph.D., Professor & Chair  
Environmental Science & Safety Technology  
Marshall University College of Information Technology and Engineering (CITE)  
szwilski@marshall.edu  
Tel: 304.696.5457

### Coalition Co-Chair

Kirk Beach, Senior Geologist  
Ohio Department of Transportation  
kirk.beach@dot.state.oh.us  
Tel: 614.275.1342

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
<th>Presenters</th>
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| 8:30 a.m.     | Session 1                | John Kiefer, Kentucky Geological Survey    | Rockslides! Case Histories and Common Misconceptions  
Chester Watts  
Radford University  
The Hazards of Building Roads in Karst Terrain: The Dishman Lane Karst Collapse, Bowling Green, Kentucky  
Michael May  
Kenneth Kuehn  
Western Kentucky University  
SH-wave Reflections in Karst Terrain: Mississinewa Dam, Indiana  
Ed Woolery  
University of Kentucky |
| 10:30 a.m.    | Session 2                | Tom Hopkins, Kentucky Transportation Cabinet | Development of a Rockfall & Hazard Rating Matrix for the State of Ohio  
Martin J. Woodard  
Radford University  
Abdul Shakoor  
Kent State University  
Rachael Craig  
National Science Foundation  
Rock-Cut Design and Construction of the Auxiliary Spillway with Road Relocation at Dewey Lake, KY  
Michael Nield  
U.S. Army Corps of Engineers  
3D Scanner Providing Rich Superficial Data of Highway Slope  
Jobes Henderson & Associates, Inc. |
| 12:00 p.m.    | Luncheon Speaker         | James Cobb, State Geologist and Director  
Kentucky Geological Survey  
Using Digital Geologic Maps in Highway Planning |
| 1:00 p.m.     | Session 3                | Kirk Beach, Ohio Department of Transportation | Establishing Baseline Practices and Identifying User Needs for Electronic Archiving and Web Dissemination of Geotechnical Data  
Loren L. Turner  
California Department of Transportation  
Indian Grave Tunnel Bypass Project  
J.R. Zimmerman  
Norfolk Southern Corporation  
Michael Holbrook  
ERCE Consultants  
Break (15 minutes)  
Intermediate 77 Abandoned Underground Mine Remediation Project  
L. Rick Ruegsegger  
Kirk Beach  
Frank Rahmlow  
Ohio Department of Transportation  
Rock-Cut Design and Construction of the Grundy Redevelopment Site, Grundy, VA  
Steve Spagna  
U.S. Army Corps of Engineers  
Dewatering Design of the Saluda Remediation Project  
John Charlton  
Eric Itle  
Paul C. Rizzo Associates  
4:00 p.m.  Adjourn |