

Agenda
Virginia Geologic Research Symposium 2011
Division of Geology and Mineral Resources
April 14, 2011

- 8:00 a.m. “Meet and Greet” with refreshments
- 8:30 a.m. Welcome
- 8:40 – 10:20 a.m. Technical Session #1
- 8:40 – 9:00 The Division of Geology and Mineral Resources in 2011
David Spears, Division of Geology and Mineral Resources
- 9:00 – 9:20 From hothouse to icehouse: the record of Late Devonian climate change from the Chattanooga Shale of Wise County, Virginia
Michael Tuite, University of Virginia
- 9:20 – 9:40 Mesozoic ductile to brittle deformation - a new paradigm in the Southside Virginia Piedmont
Bill Henika, Virginia Tech and Division of Geology and Mineral Resources (retired)
- 9:40 – 9:50 a.m. Break
- 9:50 – 10:30 a.m. Technical Session #1 (continued)
- 9:50 – 10:10 Assessment of potential reservoirs for carbon sequestration in Virginia
Katie Herson, Division of Geology and Mineral Resources
- 10:10 – 10:30 A prototype multi-level digital geologic map of Virginia using Google Earth
Steve Whitmeyer, James Madison University
- 10:30 a.m. – noon Breakout Sessions (possibly other topics by suggestion)
- Inventory of karst features and hazards – Dan Doctor
 - The future of energy development in the U.S. – Ramsay Barrett
 - Coastal geology and coastal issues – Cy Galvin
 - Developing a catalog of “good outcrops” for educators – Pete Berquist
- Noon – 1:00 p.m. Lunch on your own – See list of local restaurants

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- 1:00 – 2:00 p.m. Poster Session
- 2:00 – 3:20 p.m. Technical Session #2
- 2:00 – 2:20 Update on geologic mapping in Virginia
 Matt Heller, Division of Geology and Mineral Resources
- 2:20 – 2:40 Midlothian Mines Park, a unique Abandoned Mined Lands (AML)
 project
 *Melissa Rodriguez, Division of Mined Land Reclamation and
 Kenny Megginson, Schnabel Engineering*
- 2:40 – 3:00 Hydrogeology and groundwater availability in the fractured-rock
 aquifer systems of Clarke and Warren Counties, VA
 David Nelms, U. S. Geological Survey
- 3:00 – 3:20 Mount Rogers Geologic Map – part of the Appalachian Blue Ridge
 Project
 Arthur Merschat, U. S. Geological Survey
- 3:20 – 3:30 p.m. Break
- 3:30 – 4:30 p.m. Technical Session #2 (continued)
- 3:30 – 3:50 The Blue Ridge Fault System in central and northern Virginia
 Chuck Bailey, College of William and Mary
- 3:50 – 4:10 Revisiting Bretz's ideas of deep phreatic karst development in the
 Shenandoah Valley
 Dan Doctor, U. S. Geological Survey
- 4:10 – 4:30 Using Gigapans to make a virtual Virginia for geology
 Callan Bentley, Northern Virginia Community College
- 4:30 p.m. Summary and wrap-up