8:00 – 8:30 a.m. Registration and “Meet and Greet” with refreshments

8:30 – 8:40 a.m. State of the State Geological Survey – David Spears, DGMR

8:40 – 9:40 a.m. Technical Session #1

8:40 – 9:00 Notes on the history of the Brooks and other geological collections in the archives of DMME – Rudy Bland, Division of Geology and Mineral Resources

9:00 – 9:20 How paleoclimate sculpted the supply of fresh water on the present-day Virginia Eastern Shore – Randy McFarland, U.S. Geological Survey


9:40 – 10:00 a.m. Break

10:00 – 11:00 a.m. Technical Session #2

10:00 – 10:20 Identification of landslides using LiDAR data, western Virginia – Philip Prince, Division of Geology and Mineral Resources


10:40 – 11:00 Geological factors affecting slope stability in the Virginia Coastal Plain: Observations from the 2018 Nottoway Lane rotational landslide, King William County – Anne Witt, Division of Geology and Mineral Resources

11:00 a.m. – noon Breakout Sessions

- Breakout #1 – Crowdsourcing a new open-access Historical Geology textbook – Callan Bentley, Northern Virginia Community College, and Russ Kohrs, Lord Fairfax Community College

- Breakout #2 – Tour of the Natural Resources Building and Rock Garden – Matt Heller, Division of Geology and Mineral Resources

- Breakout #3 – To be announced

Noon – 1:00 p.m. Lunch on your own – See list of local restaurants
1:00 – 2:00 p.m. **Poster Session** (see list of posters on p. 2)

2:00 – 3:00 p.m. **Technical Session #3**

2:00 – 2:20 Paleoclimate controls on the Phanerozoic stratigraphy of Virginia – *Chris Swezey, U.S. Geological Survey*

2:20 – 2:40 U-Pb zircon evidence for a cryptic suture in the Goochland terrane, Virginia – *Chuck Bailey, College of William and Mary*

2:40 – 3:00 New age controls on the emplacement of the Petersburg granite and on the rocks into which it intrudes, central-eastern Virginia piedmont, USA – *Mark Carter, U.S. Geological Survey*

3:00 – 3:30 p.m. Break with refreshments

3:30 – 4:30 p.m. **Technical Session #4**


3:50 – 4:10 Stratigraphic mapping of Devonian clastics using LiDAR imagery – *Daniel Doctor, U.S. Geological Survey*

4:10 – 4:30 Mineral resources on Virginia’s Outer Continental Shelf: new insights concerning sand for beach restoration and economic heavy minerals – *William Lassetter, Division of Geology and Mineral Resources*

4:30 p.m. **Summary and wrap-up**
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology and Geomorphology of Owl Cave in the Silurian-Devonian Keyser Limestone, Highland County, Virginia</td>
<td>Emily Brent and Michael Knez with Swezey and Hanes</td>
<td>James Madison University/USGS</td>
</tr>
<tr>
<td>Virtual Reality tour of the Grand Canyon</td>
<td>Bill Schmachtenberg</td>
<td>Franklin Co HS/Ferrum College</td>
</tr>
<tr>
<td>Network Analysis of Virginia's Minerals</td>
<td>Cadence Hughes</td>
<td></td>
</tr>
<tr>
<td>A detrital zircon study of the Scottsville Mesozoic Basin</td>
<td>Kinsey Wilk, Christopher M. Bailey, Zach Foster-Baril, and Daniel Stockli</td>
<td>College of William and Mary</td>
</tr>
<tr>
<td>3D Geometric model using structure from motion (SFM) and kinematic analysis of fold-thrust belt structures exposed in a quarry on the east bank of the South Fork of the Shenandoah River in Page Valley, VA</td>
<td>Dietrich, Lynn; Sen, Pragnyadipta; and Biggs, Thomas</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Geometric and kinematic analysis of the Feura Bush quarry duplex in the northern Hudson Valley gold-thrust belt, Selkirk, NY</td>
<td>Robbins, Kathryn; and Sen, Pragnyadipta</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Three-dimensional geometric modeling of thrust duplex in the Feura Bush quarry, Selkirk, NY, using structure from motion (SFM)</td>
<td>Sullivan, Veronica; Fildes, Rebecca; and Sen, Pragnyadipta</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Geology of the Konnarock Quadrangle</td>
<td>Arthur Merschat</td>
<td>U.S. Geological Survey</td>
</tr>
</tbody>
</table>