



***INOGA's 2020 Virtual Technical Session***  
***November 11, 2020***  
***1 PM Central Time***



**Dr. Lee Florea**  
**Assistant Director for Research**  
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As the Assistant Director of Research, Lee coordinates and supports the research activities of IGWS staff through project and editorial management and active collaborations. Lee is a licensed professional geologist in Indiana and Kentucky with two decades of professional experience in academic, government, and industry jobs. His scholarly activities span the natural sciences as they pertain to the understanding of carbonate aquifers—groundwater that influences the drinking water of one out of every four people on Earth. An avid caver, cartographer, and a certified advanced diver, Lee has visited and surveyed caves in 30 states and several countries in Europe, Asia, and the Caribbean. His current research questions focus on carbon transport in the critical zone, and includes funded research programs in Indiana, Kentucky, Miami, Mt. Rainier, and Romania.

Lee arrived at IGWS after 8 years as tenure line faculty in Kentucky and Indiana. He is a Romania Fulbright Fellow and a USGS Mendenhall Postdoctoral Scholar. He received his PhD from the University of South Florida and his MS from the University of Missouri-Columbia. His undergraduate in Physics and Mathematics is from Western Kentucky University.

### **Specialties**

- Hydrogeology
- Carbonate geology
- Cave and karst science (speleology)
- Stable isotope geochemistry
- Carbon transport in the critical zone
- Environmental geophysics
- Geothermal systems



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**Kevin Ellett  
Research Geologist - Energy  
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Kevin Ellett is a Research Scientist at the Indiana Geological and Water Survey and the Pervasive Technology Institute at Indiana University. He has over 25 years of geoscience R&D experience in the United States, Australia and China focused on low-carbon energy solutions and water resource sustainability via expertise in hydrology, geophysics, and environmental engineering. Ellett has served as Principal Investigator on R&D projects since 2003 including 9 Department of Energy projects totaling over \$4 million in funding. He has been honored as a Fulbright Scholar, R&D 100 Award winner and POWER Award finalist, and recognized for outstanding achievement by the Indiana University Vice President for Research, the U.S. Geological Survey, the National Association of Geoscience Teachers and the Institution of Engineers, Australia. He has over 100 research publications and presentations in the energy and water resource fields and is a member of the Indiana Academy of Science, American Geophysical Union, Geological Society of America, and American Association of Petroleum Geologists.

**Specialties**

- Geological and hydrological modeling
- Reservoir/aquifer characterization and simulation
- Carbon sequestration/utilization
- Applied geophysics