Isabel Morris is a 5th year PhD Candidate in the Department of Civil and Environmental Engineering at Princeton University. Her dissertation is focused on attribute analysis and extracting material property information from GPR scans for improving nondestructive characterization, especially of concrete, stone, and other construction materials. Before pursuing a graduate degree, Isabel studied Civil Engineering and Classical Studies at Hope College (2015) where she discovered her interest in GPR. Isabel has always been interested in archaeology and civil engineering and wanted to find a way to combine those interests without directly doing material/object conservation. GPR seemed like a perfect avenue for this since it combined her interests, it is widely used, and there are many questions about the information it can provide and its usefulness for archaeologists. Recently, Isabel received a fellowship through the NSF Graduate Research Fellowships Program to employ GPR for studying historical sites. Being supported by this grant has allowed her to be involved in several GPR projects around the world, teach students about GPR, and run a summer GPR workshop in Romania (through Archaeotek). Isabel has also had the opportunity to present various aspects of her research at AGU Fall Meetings including a comparison of GPR scans in wet and dry conditions for an archaeological site (2017) and GPR surveys of Corvin Castle (2018). She has also helped chair a Near Surface Geophysics session for anthropogenic targets (2018, 2019). At this year's Fall Meeting she will be presenting a portion of her dissertation. After graduating, Isabel plans to broaden her research interests and techniques through a postdoc position in remote sensing and then become a professor at an undergraduate college.

For more information about his research please contact Isabel Morris.

Interested in being highlighted, or know a student who should be? Please email Matthew Sirianni for more information about the Student Spotlight. We are also seeking research highlights that showcase use of near-surface geophysics in other AGU sections and focus groups. If you are interested in writing a short, one-page highlight, please contact Kisa Mwakanyamale.