

[Tonian \(Toni\) Robinson](#) is a 2nd year PhD Student in the Geology program at University of South Florida (USF) where she works under Dr. Sarah Kruse. Her research is currently focused on sinkhole deformation in western Florida using space-based satellite imaging (i.e. Interferometric Synthetic Aperture Radar; InSAR) coupled with ground-based measurements from ground penetrating radar (GPR), Structure from Motion, Light Detection and Ranging (LiDAR), and geotechnical reports. Toni's most recent work was presented at the [2018 AGU Fall Meeting](#) and focused on statistical analyses on time-series datasets targeting rapid settling and subsidence events related to karst processes in western central Florida's "sinkhole alley."



Toni was first exposed to geophysics as an undergraduate during her sophomore year at Rutgers University-Newark. During the Intro to Geophysics course, she learned about many different methods, data processing, and report writing. While at Rutgers, Toni also worked as an Undergraduate Research Assistant on various hydrogeophysics projects and credits these experiences and the support and inspiration from her professors and mentors as the motivation behind her pursuing further education and research opportunities.

Upon entering graduate school, Toni was awarded the Bridge to the Doctorate Fellowship which is awarded by the National Science Foundation through the Florida-Georgia Louis Stokes Alliance for Minority Participation. This program aims to enhance recruitment and retention of underrepresented minority students in Science, Technology, Engineering and Mathematics disciplines. Outside of her many academic achievements, she is an active volunteer at USF where she was appointed as the Outreach Coordinator for the Geoscience Graduate Student Organization. Recently Toni has also taken on another volunteer role as one of the two Social Media Representatives for the AGU Near Surface Geophysics Section, so be sure to check out NSG's [Facebook](#) and [Twitter](#).

For more information about near-surface applications of geophysical and satellite-based methods for monitoring natural hazards or to forward material for NSG's social media sites, please contact [Toni Robinson](#).

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](#).