

[Sajad Jazayeri](#) is currently a 4th year PhD student at University of South Florida's (USF) School of Geosciences where his research focus is on full-waveform inversion and imaging of ground penetrating radar (GPR). Physics has always been appealing to Sajad, which led him to pursue an undergraduate degree in Solid State Physics from Razi University in Kermanshah, Iran. During his undergraduate, he found that pure physics didn't have the same appeal as applied physics. Luckily for him, he was studying at one of the five universities in Iran that had a geophysics program and faculty that actively did research. His love for geophysics was cemented during his final year of his undergraduate degree when he took an exploration geophysics class. This passion drove Sajad to pursue a Masters degree in Geophysics from University of Tehran in Iran. During his masters, Sajad focused on potential field exploration and particularly geomagnetism.



While at the University of Tehran, he also took many classes pertaining to other geophysical methods like electrical resistivity, seismology, and electromagnetics. After graduation, Sajad worked for various consulting engineering companies as a professional geophysicist. As a professional geophysicist, Sajad took on many different projects that allowed him to refine his skills in a work setting and to find out what aspects of near surface geophysics he was most interested in further pursuing. With his background in physics and experience solving real world engineering problems, Sajad eventually decided to work on modelling aspects and full-waveform inversion of GPR for engineering applications.

As a PhD student at USF, Sajad has presented his work at the [2015 Fall Meeting](#) as well as [SEG's 2017 Annual Meeting](#) where he gave one of the top 39 presentations out of over 1,100! Recently, Sajad was awarded the American Society of Civil Engineers (ASCE) Trent R. Dames and William M. Moore Fellowship. He is also a past recipient of an award from Sigma Xi's Grants-In-Aid of Research Program.

With typical attendance of over 20,000 and members hailing from around the globe, AGU is truly a gold mine for learning and networking and Sajad is hoping to make the most of this experience at [AGU's 2017 Fall Meeting](#).

Although still considering his post-graduation plans, Sajad is interested in further pursuing his research in a post-doctoral position and eventually as a research or faculty member.

For more information about full-waveform inversion of GPR in engineering applications, please contact Sajad Jazayeri (sjazayeri@mail.usf.edu) or stop by his poster ([NS41B-0011](#)) if you are attending the 2017 Fall Meeting!

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 [Chi Zhang](#).