

CONTACT INFORMATION	SCA 216, Geodesy Lab School of Geosciences University of South Florida 4202 E. Fowler Ave, Tampa, FL 33620, USA	<i>Telephone:</i> +1-813-335-9027 <i>E-mail:</i> suruixie@mail.usf.edu
RESEARCH INTERESTS	Space and terrestrial geodesy, fault slip rate, tidewater glacier dynamics.	
EDUCATION	<b>University of South Florida</b> , Tampa, Florida, USA Ph.D. Student, Geology, May 2019 (expected) <ul style="list-style-type: none"> <li>• Advisor: Timothy H. Dixon, Rocco Malservisi (co-advisor)</li> </ul> <b>Wuhan University</b> , Wuhan, Hubei, China M.E., Geodesy and Survey Engineering, June, 2014 <ul style="list-style-type: none"> <li>• Thesis: Current crustal movements in Antarctica from GPS measurements</li> <li>• Advisor: Fei Li</li> </ul> B.E. (Outstanding graduate), Geodesy and Geomatics Engineering, June, 2011 <ul style="list-style-type: none"> <li>• Thesis: Orbit integrator design for a Martian probe</li> <li>• Advisor: Fei Li</li> </ul>	
HONORS AND AWARDS	Tharp Endowed Scholarship, University of South Florida, 2015–2017. Travel grant to attend 2016 IGS Symposium, La Jolla, CA, USA, 2016. Travel award to attend GAMIT/GLOBK/TRACK Short Course at UNAVCO HQ, Boulder, CO, USA, 2015. Chinese National Scholarship, 2009	
RESEARCH EXPERIENCE	<b>Quaternary Geochronology Laboratories at the University of Cincinnati</b> , Cincinnati, Ohio, USA <i>Visiting Student</i> <span style="float: right;"><b>Summer 2015, Summer 2016</b></span> Terrestrial cosmogenic nuclide exposure dating.  <b>The 28<sup>th</sup> Chinese National Antarctic Research Expedition</b> , Zhongshan Station, Antarctica <i>Geodesist</i> <span style="float: right;"><b>Nov, 2011 – Jan, 2013</b></span> Geodetic surveying and mapping, tide gauge calibration and maintenance.	
TEACHING EXPERIENCE	TA for <i>History of Life</i> TA for <i>Dyn Earth: Intro to Phys Geol</i> TA for <i>Introduction to Earth Science</i> TA for <i>Geology For Engineers</i>	<b>Spring 2016 – Spring 2017</b> <b>Fall 2015</b> <b>Spring 2015</b> <b>Fall 2014</b>
COMPUTER SKILLS	<ul style="list-style-type: none"> <li>• Programming languages: Python, Fortran, C++, Matlab, Shell</li> <li>• Software packages: GMT, GAMIT/GLOBK/TRACK, L<sup>A</sup>T<sub>E</sub>X, Gnuplot</li> </ul>	
LANGUAGES	Chinese (native), English (fluent)	

PEER-REVIEWED  
PUBLICATIONS

Dixon, T.H., **Xie, S.**, (submitted). A model for the evolution of the Eastern California Shear Zone, Mojave Desert, California.

**Xie, S.**, Galliant, E., Wetmore, P.W., Owen, L.A., Malservisi, R., Figueiredo, P.M., Dixon, T.H., (in review). A new geological slip rate estimate for the Calico Fault, eastern California: Implications for geodetic versus geologic rate estimates in the Eastern California Shear Zone.

**Xie, S.**, Dixon, T.H., Voytenko, D., Deng, F., Holland, D.M., (in review). Grounding line migration through the calving season of Jakobshavn Isbræ, Greenland, observed with terrestrial radar interferometry. The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-231>.

**Xie, S.**, Dixon, T.H., Voytenko, D., Holland, D.M., Holland, D., Zheng, T., 2016. Precursor motion to iceberg calving at Jakobshavn Isbræ, Greenland, observed with terrestrial radar interferometry. *J. Glaciol.*, **62**(236), 1134–1142, <https://doi.org/10.1017/jog.2016.104>. (front cover article)

SELECTED  
ABSTRACTS

**Xie, S.**, Dixon, T.H., Voytenko, D., Deng, F., Holland, D.M., Holland, D., 2017. Ice speed variation driven by tidal currents near the terminus of Jakobshavn Isbræ, Greenland, observed with terrestrial radar interferometry. Fall Meeting of the American Geophysical Union, New Orleans, LA, USA. (**Poster**)

**Xie, S.**, Galliant, E., Wetmore, P., Owen, L.A., Dixon, T.H., 2017. A new geological slip rate estimate for the Calico Fault, eastern California: Implications for geodetic versus geologic rate estimates in the Eastern California Shear Zone. GSA Annual Meeting, Seattle, WA, USA. doi:10.1130/abs/2017AM-300595. (**Oral**)

**Xie, S.**, Wetmore, P.H., Owen, L.A., Gallant, E., Dixon, T.H., 2016. Evidence for a high slip rate of the Calico fault in the Eastern California Shear Zone. Fall Meeting of the American Geophysical Union, San Francisco, CA, USA. (**Oral**)

**Xie, S.**, Dixon, T.H., Voytenko, D., Holland, D.M., Holland, D., Zheng, T., 2016. Precursor motion to iceberg calving at Jakobshavn Isbræ, Greenland, observed with terrestrial radar interferometry. International Symposium on Interactions of Ice Sheets and Glaciers with the Ocean, La Jolla, CA, USA. (**Oral**)

**Xie, S.**, Voytenko, D., Holland, D.M., Dixon, T.H., 2015. Calving and velocity variations observed by Terrestrial Radar Interferometry at Jakobshavn Isbræ, Greenland, in 2015. Fall Meeting of the American Geophysical Union, San Francisco, CA, USA. (**Poster**)