Surui Xie *Oct 2017*

CONTACT INFORMATION

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School of Geosciences
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RESEARCH INTERESTS

Space and terrestrial geodesy, fault slip rate, tidewater glacier dynamics.

EDUCATION

University of South Florida, Tampa, Florida, USA

Ph.D. Student, Geology, May 2019 (expected)

- Advisor: Timothy H. Dixon, Rocco Malservisi (co-advisor)

Wuhan University, Wuhan, Hubei, China

M.E., Geodesy and Survey Engineering, June, 2014

- Thesis: Current crustal movements in Antarctica from GPS measurements
- Advisor: Fei Li

B.E. (Outstanding graduate), Geodesy and Geomatics Engineering, June, 2011

- Thesis: Orbit integrator design for a Martian probe
- Advisor: Fei Li

HONORS AND AWARDS

Tharp Scholarship, University of South Florida, 2015–2016.

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

Geochronology Laboratory at the University of Cincinnati, Cincinnati, Ohio, USA

Visiting Student **Summer 2015, Summer 2016**
Terrestrial cosmogenic nuclide exposure dating.

The 28th Chinese National Antarctic Research Expedition, Zhongshan Station, Antarctica

Geodesist **Nov, 2011 – Jan, 2013**
Geodetic surveying and mapping, tide gauge calibration and maintenance.

TEACHING EXPERIENCE

TA for *History of Life* **Spring 2016 – Spring 2017**
TA for *Dyn Earth: Intro to Phys Geol* **Fall 2015**
TA for *Introduction to Earth Science* **Spring 2015**
TA for *Geology For Engineers* **Fall 2014**

COMPUTER SKILLS

- Programming languages: Python, Fortran, C++, Matlab, Shell
- Software packages: GMT, GAMIT/GLOBK/TRACK, LaTeX, Gnuplot

LANGUAGES

Chinese (native), English (fluent)

Publications

Xie S et al. (submitted) 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 et al. (submitted) Grounding line migration through the calving season of Jakobshavn Isbræ, Greenland, observed with terrestrial radar interferometry.

Xie S, Dixon TH, Voytenko D, Holland DM, 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, doi:10.1017/jog.2016.104. (front cover article)

Conference Presentations

Xie S, Wetmore PH, Owen LA, Gallant E, Dixon TH. 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, 2016. (**Oral**)

Gallant E, Dixon TH, **Xie S**, Connor C, Armondo Saballos J, Connor L, Myhre D. Terrestrial Radar Survey of Momotombo Volcano, Nicaragua. Fall Meeting of the American Geophysical Union, San Francisco, CA, USA, 2016. (**Poster**)

Xie S, Dixon TH, Voytenko D, Holland DM, Holland D, Zheng T. 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, 2016. (**Oral**)

Xie S, Voytenko D, Holland DM, Dixon TH. 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, 2015. (**Poster**)