

Enze Zhang

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EDUCATION

The Chinese University of Hong Kong (CUHK)
Graduate Division of Earth and Atmospheric Sciences
Ph.D. student in Geophysics
August 1, 2016 – July 31, 2020 (expected)

University of Science and Technology of China (USTC)
Dept. Of Geophysics, School of Earth and Space Science
B.S in Geophysics
September 1, 2012 – June 30, 2016

RESEARCH EXPERIENCE

2015.08-2015.10 Research Assistant
Earth System Science Programme, The Chinese
University of Hong Kong

2019.09-2020.02 Visiting Student
Department of Geosciences and Natural Resource
Management, University of Copenhagen

2016.08-2020.08 Teaching and Research Assistant
Graduate Division of Earth & Atmospheric Sciences, The
Chinese University of Hong Kong

TEACHING EXPERIENCE

2017 Teaching Assistant, Solid Earth Dynamics (ESSC2010)

2017 Teaching Assistant, Engineering Geology and Applied
Geophysics (ESSC4110)

2017 Teaching Assistant, Statistical Methods and Data
Analysis for Earth System Science (ESSC 4510)

CONFERENCE

AGU Fall Meeting, 2019, Oral Presentation
Automatically delineating calving fronts of Greenland glaciers from multi-
sensor remote sensing imagery: a general method based on deep learning

AGU Fall Meeting, 2018, Poster Presentation
Automatically delineating terminus of Jakobshavn Isbræ from multi-sensor
remote sensing imagery based on deep learning

*Workshop on Glacial Isostatic Adjustment and Elastic Deformation, 2017,
Poster Presentation*
Transient variations in ice mass near Jakobshavn Isbræ (west Greenland)
detected by the combined use of GPS and GRACE data

PUBLICATION

Zhang, E., Liu, L., Huang, L. and Ng, K. S. Automatically delineating calving fronts of Greenland glaciers from multi-sensor remote sensing imagery: a general method based on deep learning. Manuscript in preparation.

Zhang, E., Liu, L., and Huang, L. (2019). Automatically delineating the calving front of Jakobshavn Isbræ from multitemporal TerraSAR-X images: a deep learning approach. *The Cryosphere*, 13(6), 1729-1741.

Zhang, B., L. Liu, S. A. Khan, T. van Dam, A. A. Bjørk, Y. Peings, **E. Zhang**, M. Bevis, Y. Yao, and B. Noël (2019), Geodetic and model data reveal different spatio-temporal patterns of transient mass changes over Greenland from 2007 to 2017, *Earth and Planetary Science Letters*, 515, 154–163, doi:10.1016/j.epsl.2019.03.028.

Zhang, B., **E. Zhang**, L. Liu, S. A. Khan, T. van Dam, Y. Yao, M. Bevis, V. Helm (2018), Geodetic measurements reveal short-term changes of glacial mass near Jakobshavn Isbræ (Greenland) from 2007 to 2017, *Earth and Planetary Science Letters*, 503, 216–226, doi:10.1016/j.epsl.2018.09.029.

Zhang, B., Liu, L., Khan, S. A., Dam, T., **Zhang, E.**, & Yao, Y. (2017). Transient variations in glacial mass near Upernavik Isstrøm (west Greenland) detected by the combined use of GPS and GRACE data. *Journal of Geophysical Research: Solid Earth*, 122(12).

HONORS & AWARDS

2012	Outstanding Freshman Scholarship (USTC)
2013,14,15	Outstanding Student Scholarship (USTC)
2019	Global Scholarship Programme for Research Excellence (CUHK)

COMPUTER SKILLS

MATLAB, Bash, GMT, ENVI, ISCE, IDL, Python.
