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 – Sep 30, 2020

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
2016.08-2021.07	Teaching and Research Assistant Graduate Division of Earth & Atmospheric Sciences, The Chinese University of Hong Kong
2021.08-Present	Postdoctoral Fellow Institute of Geophysics, The University of Texas at Austin

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)
2020	Teaching Assistant, Remote Sensing (ESSC 4540)

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
PROFESSIONAL SERVICES	Reviewer for *The Cryosphere, Remote Sensing of Environment, Remote Sensing*
PUBLICATION	**Zhang, E.**, Liu, L., Huang, L., and Ng, K. S. (2021). An automated, generalized, deep-learning-based method for delineating the calving fronts of Greenland glaciers from multi-sensor remote sensing imagery, *Remote Sensing of Environment*, 254, 112265, https://doi.org/10.1016/j.rse.2020.112265. **Zhang, E.**, Hongfeng, Y. Detecting spatio-temporal changes of induced earthquake distribution using 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)
	2020	Reaching Out Award (CUHK)
	2021	Institutional Postdoctoral Fellowship, University of Texas Institute for Geophysics

COMPUTER SKILLS	MATLAB, Bash, GMT, ENVI, GDAL, Python.