

Kang Liang

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RESEARCH INTERESTS	I am interested in promoting InSAR measurements accuracy and simplicity and understanding mechanics of slow moving landslides. My current focuses include: <ul style="list-style-type: none">• Fast InSAR processing with GPU• Landslides triggered by glacier retreat and GIA• Deep learning for landslides detection and deformation mapping	
EDUCATION	Southern Methodist University Ph.D. in Geophysics Advisor: Prof. Zhong Lu	Dallas, Texas, U.S. Aug 2020 – now
	University of Science and Technology of China Bachelor in Geophysics	Hefei, China Sep 2016 – Jun 2020
SKILLS	Programming C, CUDA, Python, Matlab, \LaTeX , Bash Tools Vim, Git, Linux Languages English, Mandarin	
PUBLICATIONS AND TALKS	1. H. Fattahi, D. P. Bekaert, V. Brancato, Z. Yunjun, Z. Lu, M. G. Bato, J. W. Kim, S. Jeong, K. Liang, and S. Sangha, "Opera coregistered single look complex products from sentinel-1 data," in <i>Fall Meeting 2022</i> , AGU, 2022.	
PROJECTS PARTICIPATED	Decorrelation - A InSAR postprocessing tool <ul style="list-style-type: none">• Serve as author and maintainer.• Implement fast statistical homogenous pixels identification, adaptive multi-looking and phase linking with GPU support.• Aim at high-performance hybrid PS/DS processing.	
	ATBD: Notebooks for NISAR Solid Earth Algorithm Theoretical Basis Document <ul style="list-style-type: none">• Implement jupyter notebooks for ATBD transient deformation requirement (663).• Help revise the algorithm theoretical basis document.	
	OPERA Coregistered Single Look Complex (CSLC) validation tools <ul style="list-style-type: none">• Help develop and validate jupyter notebooks for absolute and relative geolocation error for sentinel-1 SLC.	
AWARDS	<ul style="list-style-type: none">• Geoscience Climbing Scholarship, USTC• National Encouragement Scholarship, USTC• Physics Innovation Research Experimental Paper Competition Special Award, USTC• 817 Alumni Awards Scholarship, USTC• National Encouragement Scholarship, USTC	2019 2018 2018 2017 2017