

Lin XIONG

Graduate student

Education

2015/09-Present University of Houston

- PhD, Geophysics
- Landslide Study

2012/09—2015/07 Institute of Tibetan Plateau Research, Chinese Academy of Sciences

- Master of Science in geophysics
- Supervisor: Professor Jiankun He

2008/09--2012/07 Peking University, School of Earth and Space Science

- Bachelor of Science in Geology

Research Experience

- Three-dimensional finite element modeling of stress evolution around the Yushu-Xianshuihe fault system, southeastern Tibet, in the past ~300 years. 2012-current. Thesis topic for M.S.
- Numerical modeling of static stress changes on main active faults of east Tibetan Plateau by the Wenchuan and the Lushan earthquakes. 2012. Thesis topic for B.S.
- Triggering mechanics of strong aftershocks of the 2008 Mw=7.9 Wenchuan earthquake from 3D finite-element modeling. 2013-2016. National Natural Science Foundation of China (general program). Supervisor's project.
- 3D finite-element modeling of crustal deformation beneath the Tibetan plateau due to arcuate subduction of India plate along the Himalaya. Natural Science Foundation for the Youth. Doctor Jie Xiao's project.
- Geological analysis about basalts and their mental inclusions from Siziwang Country, Inner Mongolia. 2011. Undergraduate research & training program in Peking University. Advisor: Tairan Wu

Publications

- **XIONG Lin**, HE Jian-kun, PAN Zheng-yang, et al. 2014. Numerical modeling of static stress changes on main active faults of east Tibetan Plateau by the Wenchuan and the Lushan earthquakes. *Journal of Earth Sciences and Environment*. 36(3), 113-122. (In Chinese with English abstract)
- Li Yiquan, Dong Jia, Maomao Wang, John H. Shaw, Jiankun He, Aiming Lin, **Lin Xiong**, and Gang Rao (2014), Structural geometry of the source region for the 2013 Mw 6.6 Lushan earthquake: Implication for earthquake hazard assessment along the Longmen Shan, *Earth and Planetary Science Letters*, 390, 275-286.

Honors

- National Endeavor Fellowship(2010-2011)

Abstracts, Posters and Presentations

- Made a presentation about "Three-dimensional finite element modeling of earthquake interaction and stress accumulation on main active faults around the northeastern Tibetan plateau edge in the past ~100 years" (in Chinese) in the first Annual Meeting of Chinese Geoscience Union (CGU2014)
- Submitted the abstract to the CGU meeting