

Yi Zhang

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Education and appointments:

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| • China University of Geosciences | Bachelor of Geophysics, 2012.06 |
| • China University of Geosciences | M.D.-Ph.D. student, 2013.09-present |
| • China University of Geosciences | Graduate Teaching Assistant, 2014-2015 |
| • Earthquake Science Center, USGS | Visiting Scholar, 2016.09-present |

Research Interests:

- Forward and inverse theories of potential field data under the spherical coordinate
- Inverse theories under the unstructured grid
- Joint inverse theories of potential field and seismic tomographic data
- 3-D modeling of Crust and upper mantle structures with multiple geophysical data sets
- mantle/lithosphere dynamics

Participate in scientific research projects ()

- 2013-2015, 3D multi-density structure of the lunar lithosphere: implication to the evolution of the crust and the mantle of the Moon (Chinese Natural Science for Youth Foundation).
- 2012-2013, International cooperation with Colorado School of Mines and Geoscience Australia "Development of algorithms for inverting large-scale gravity and magnetic data in spherical coordinates"
- 2015.01-2016.09, Inversion theory of large-scale magnetic distribution of the lithosphere (Chinese Natural Science for Youth Foundation).

Participate in academic activities and awards

- 2013.12 Second Prize of CUG-hosted students' science & technology report competition.
- 2014.10, in Beijing, China. The 2014 Chinese Geophysical Society Annual Meeting, oral presentation.
- 2014.12.23 The 2014 Chinese Geophysical Society Annual Meeting, Outstanding student report award.

- 2015.10, in Beijing, China. The 2015 Chinese Geophysical Society Annual Meeting, oral presentation.
- 2015.12, in San Francisco, CA, USA. The AGU Fall Meeting, poster presentation.

Publications

- ZHANG Yi, ZHANG Shuangxi, LIANG Qing, CHEN Chao. Application of boundary identifying technologies using gravity and magnetic maps in 3-D geological mapping of the Western Junggar Area[J]. Earth Science, 2015, 40(3): 431~440 (in Chinese, EI).
- ZHANG Yi, CHEN Chao. Forward modeling method of potential fields based on 3-D Delaunay subdivision[C]. The 2015 Chinese Geophysical Society Annual Meeting, 2015, Beijing, China. (in Chinese).
- ZHANG Yi, CHEN Chao, DU Jinsong, SUN Shida, LIANG Qing. Forward modelling method of potential fields using unstructured grid in cartesian and spherical coordinates[C]. The 2015 AGU Fall Meeting, 2015, San Francisco, CA, USA.