Dongdong Tian, Ph.D. Candidate

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Education

2012 – present **Ph.D. Candidate** in Geophysics,
University of Science and Technology of China, Hefei, China.

2008 – 2012 **B.S.** in Geophysics,
University of Science and Technology of China, Hefei, China.
Thesis title: *Simulating Seismic Wave Propagation in 3D Heterogeneous Isotropic Media Using Staggered-Grid Finite Differences*

Research Interests

- Structure of the Earth's Deep Interior
- Microseismic sources
- Seismic interferometry
- Numerical Simulation of Wave Propagation
- Dynamic Earthquake Triggering

Professional Societies and Activities

2012 – present
- Member of the American Geophysical Union (AGU).

2016 – present
- Technical support for China Geophysical Reference Model.
- Leader of GMT Chinese Community.

2017 – present
- Peer-reviewer of scientific journals: *Geophysical Research Letters* (1)

Research Publications

Journal Articles

1. **Tian**, **D.** & Wen, L. (2017). Seismological evidence for a localized mushy zone at the earth's inner core boundary. *Nature communications*, *8*, 165. doi:10.1038/s41467-017-00229-9
2. Chen, X., **Tian**, **D.** & Wen, L. (2015). Microseismic sources during hurricane sandy. *Journal of Geophysical Research: Solid Earth*, *120*(9), 6386–6403. doi:10.1002/2015JB012282
3. Zhang, M., **Tian**, **D.** & Wen, L. (2014). A new method for earthquake depth determination: Stacking multiple-station autocorrelograms. *Geophysical Journal International*, *197*(2), 1107–1116. doi:10.1093/gji/ggu044

Meeting Abstracts

1. **Tian**, **D.** & Wen, L. (2016). *Seismic structures of the earth's inner core boundary beneath the bearing sea and mexico*. Abstract DI43A-2657 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12–16 Dec.
2. **Tian**, **D.** & Wen, L. (2015). *Varying seismic property of the earth's inner core boundary*. Abstract DI33A-2606 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14–18 Dec.

3. **Tian**, **D.** & Wen, L. (2014). *Seismic study on the properties of the earth's inner core boundary*. Abstract DI31B-4269 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15–19 Dec.

4. Chen, X., **Tian**, **D.** & Wen, L. (2013). *Seismic tracking of hurricane sandy*. Abstract S11A-2296 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9–13 Dec.

5. **Tian**, **D.** & Wen, L. (2013). *Regional topography variation of earth's inner core boundary*. Abstract DI23A-2282 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9–13 Dec.

6. Zhang, M., **Tian**, **D.** & Wen, L. (2013). *A new method for earthquake determination: Stacking multiple-station autocorrelograns*. Abstract S51A-2301 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9–13 Dec.

7. **Tian**, **D.** & Wen, L. (2012). *Simulating ware propagation in a faulted medium using a 3d finite difference method*. Abstract S43A-2458 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3–7 Dec.