Dongdong Tian | PhD Candidate

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Education

University of Science and Technology of China — **Hefei, Anhui, China**
Ph.D. *in Geophysics* — *2012–2018(expected)*

University of Science and Technology of China — **Hefei, Anhui, China**
B.S. *in Geophysics* — *2008–2012*

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

- Member of the American Geophysical Union (AGU) since 2012
- Leader of GMT Chinese Community since 2016
- Contributor of China Geophysical Reference Model since 2016
- Peer-reviewer of scientific journals
  - *Geophysical Research Letters*

Publications

[1] Dongdong Tian and Lianxing Wen. "Seismological evidence for a localized mushy zone at the Earth's inner core boundary." In: *Nature communications* 8.1 (2017), p. 165. DOI: 10.1038/s41467-017-00229-9.

[2] Xiaohan Chen, Dongdong Tian, and Lianxing Wen. "Microseismic sources during Hurricane Sandy". In: *Journal of Geophysical Research: Solid Earth* 120.9 (2015), pp. 6386–6403. DOI: 10.1002/2015JB012282.

[3] Miao Zhang, Dongdong Tian, and Lianxing Wen. "A new method for earthquake depth determination: stacking multiple-station autocorrelograms". In: *Geophysical Journal International* 197.2 (2014), pp. 1107–1116.

Meeting Abstracts

[1] Dongdong Tian and Lianxing Wen. *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. 2016.

[2] Dongdong Tian and Lianxing Wen. *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. 2015.

[3] Dongdong Tian and Lianxing Wen. *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. 2014.

[4] Xiaohan Chen, Dongdong Tian, and Lianxing Wen. *Seismic tracking of hurricane Sandy*. Abstract S11A-2296 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9–13 Dec. 2013.

[5] Dongdong Tian and Lianxing Wen. *Regional Topography Variation of Earth's Inner Core Boundary*. Abstract DI23A-2282 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9–13 Dec. 2013.

[6] Miao Zhang, Dongdong Tian, and Lianxing Wen. *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. 2013.

[7] Dongdong Tian and Lianxing Wen. *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. 2012.