



丁浩 博士後研究(2014-08-25 ~ 2016-03-06)

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➤ **Research interests:**

Earth's free oscillation; Geophysical data analysis.

➤ **Education**

2004/09–2008/06 B.S. degree, Dept. of Geophysics, Wuhan University, China.  
攻讀學士學位，武漢大學地球物理系.

2009/09–2011/09 M.S. degree, Dept. of Geophysics, Wuhan University, China.  
攻讀碩士學位（碩博連讀），武漢大學地球物理系.

2011/09–2014/06 PhD degree, Dept. of Geophysics, Wuhan University, China.  
攻讀博士學位，武漢大學地球物理系.

➤ **Experience**

2011/09–2012/12 Teacher assistant at Wuhan University, China.

2013/05–2013/07 Research visitor, IES, Academia Sinica, Taiwan.

2014/08–2016/03 Postdoc at Academia Sinica, Institute of Earth Sciences, Taipei, Taiwan.

## ➤ Publications

### ● Journals

- [1]. Chao, B.F., **Ding, H.**, 2014. Spherical harmonic stacking for the singlets of Earth's normal modes of free oscillation, *Geophys. Res. Lett.*, 41, doi:10.1002/2014GL060700. [SCI]
- [2]. Shen, W.B., **Ding, H.**, 2014. Observation of spheroidal normal mode multiplets below 1 mHz using ensemble empirical mode decomposition. *Geophys. J. Int.*, 196, 1631-1642. [SCI]
- [3]. **Ding, H.**, Shen, W.B., 2013. Search for the Slichter modes based on a new method: Optimal sequence estimation, *J. Geophys. Res.*, 118(9), 5018-5029. [SCI]
- [4]. **Ding, H.**, Shen, W.B., 2013. Determination of the complex frequencies for the normal modes below 1mHz after the 2010 Maule and 2011 Tohoku earthquakes. *Ann. Geophys.*, 56 (5). [SCI]
- [5]. **Ding, H.**, Shen, W.B., 2013. Comparative Study of the MSE technique and SHS method that used for the detection of  $nS_1$  mode triplet. *Chinese J. Geophys.* (In Chinese), 56(10), 3313-3323. [SCI]
- [6]. Shen, W.B., **Ding, H.**, 2013. Detection of the Inner Core Translational Triplet Using Superconducting Gravimetric Observations, *Journal of Earth Science*, 24, (5), 725–735. [SCI].
- [7]. Shen, W.B., **Ding, H.**, 2013. A case study of investigation of anomalous signals prior to the great 2010 Maule earthquake, *Geodesy and Geodynamics*, 4(1), 1-6.
- [8]. 申文斌, 丁浩, 2014. 地球自由振盪模態頻率估計誤差與信噪比的經驗關係, *大地測量與地球動力學進展*, 第二輯, 989-999.
- [9]. Shen, W.B., Sun, R., Chen, W., Zhang, Z., Li, J., Han, J., **Ding, H.**, 2011. The expanding Earth at present: evidence from temporal gravity field and space-geodetic data. *Ann. Geophys.*, 54, 436-453. [SCI]

### ● Conferences

- [1]. **Ding, H.**, Shen, W.B., 2014. Observations of the Earth's free oscillations based on the broadband seismic data, *International Workshop on Gravity, GPS and Satellite Altimetry Observations of Tibet, Xinjiang and Siberia (5th TibXS)*. Guiyang City, Guizhou Province, China. 10-16 August, 2014.
- [2]. **Ding, H.**, Shen, W.B., 2013. Optimal sequence estimation: a potential method for searching for the Slichter triplet, *International Workshop on Gravity, GPS and Satellite Altimetry Observations of Tibet, Xinjiang and Siberia (4th TibXS)*. Yining City, Xinjiang Province, China. 28-31 July, 2013.
- [3]. **Ding, H.**, Shen, W.B., 2013. A preliminary observation of 531-day period in wobble of the polar motion. *Japan Geoscience Union Meeting 2013*, Makuhari Messe, Chiba, Japan. May 19-24, 2013.
- [4]. **Ding, H.**, Shen, W.B., 2013. Observation of a 531-day-period polar motion. *JOURNÉES 2013*

*SYSTÈMES DE RÉFÉRENCE SPATIO-TEMPORELS*. Observatoire de Paris, Paris, France. 16-18 September, 2013.

- [5]. **Ding, H.**, Shen, W.B., 2012. Confirmation of the anomalous splitting of some low-degree modes using optimal sequence estimation, *International Workshop on Gravity, GPS and Satellite Altimetry Observations of Tibet, Xinjiang and Siberia (3rd TibXS)*. ChengDu, SiChuan Province, China. 26-30 August, 2012.
- [6]. Shen, W.B., Wang, D., Hwang, C., **Ding, H.**, 2012. Detecting anomalous gravity signals prior to earthquakes larger than Mw7.0 based on a superconducting gravimeter records in recent four years. *EGU General Assembly*, 2012.
- [7]. Shen, W.B., Li, J., **Ding, H.**, Zheng, Z.H., 2011. Global changes caused by the 2011 Honshu Mw9.0 earthquake. *Workshop 2011 on Space Geodesy and Its Applications for Geosciences and Space Exploitation*, 25-27 June, 2011, Melbourne, Australia.
- [8]. Shen, W.B., **Ding, H.**, 2011. Observation of triplet of low oscillation modes nS1 using superconducting gravimeters data based on least squares estimate. *International Workshop on Gravity, GPS and Satellite Altimetry Observations of Tibet, Xinjiang and Siberia*, 26-30 July 2011, Xining, China.