



Jiajun Chong Postdoctoral Fellow (2013/6/18 ~ 2014/5/4)

TEL : +886-2-2783-9910

FAX : +886-2-2783-9871

E-mail : [jiajunchong \(at\) gmail.com](mailto:jiajunchong@gmail.com)

Specialty : Geophysics, Seismology

[Education]

- Ph.D., Geophysics, University of Science and Technology of China, Hefei, Anhui, China, 2013
- B.S., Geophysics, University of Science and Technology of China, Hefei, Anhui, China, 2007

[Experience]

- Postdoctoral fellow, Institute of Earth Sciences, Academia Sinica, Taiwan, 2013/6-2014/5
- Visiting Scholar, Berkeley Seismological Laboratory, University of California at Berkeley, California, United States, 2010/9-2012/7

[Research Interests]

- **Seismic Imaging of Crustal Structure:** surface wave dispersion, Rayleigh wave particle motion, receiver function
- **Seismic Waveform Tomography:** seismic waveform tomography of regional upper mantle structure
- **Near Surface Structure:** imaging near surface structure with high frequency Rayleigh wave or borehole seismic waveform
- **Seismic Source:** focal depth and focal mechanism of small to moderate earthquakes

[Skills]

- Seismic Waveform Modeling and Inversion
- Seismic Waveform Tomography
- Proficient in programming with Fortran 90, C, MPI, Shell, Gawk, Perl
- Seismic Software Development
- Well experienced in working with Linux/Unix, Windows, MS Office

[Professional Membership]

- Chinese Geophysical Society 2006-present
- American Geophysical Union 2008-present

[Honors and Awards]

- National Scholarship for Graduate Students, Ministry of Education, China, 2012
- Academic Scholarship for Doctoral Candidates, Ministry of Education, China, 2011
- State Scholarship for Joint PhD Program, China Scholarship Council, 2010
- Graduate Innovation Fund Grated by Univ. of Sci. & Tech. of China, 2008

- Yang Ya Memorial Scholarship for Outstanding Student, 2008
- Outstanding Thesis Award for Bachelor Degree of Univ. of Sci. & Tech. of China, 2007
- Outstanding Student Leader of Univ. of Sci. & Tech. of China, 2007

[Publications]

A. Journals

1. **Jiajun Chong**, et al., Joint inversion of Rayleigh wave phase velocity dispersion and ZH ratio, (*submitted*), 2014
2. Z.J. Wang, **J.J. Chong**, S.D. Ni, and B. Romanowicz (2011). Determination of focal depth by two waveform-based methods: A case study for the 2008 Panzhihua earthquake, *Earthquake Science.*, 24, 321-328
3. Y.Y. Liu, **J.J. Chong**, S.D. Ni (2011). Near surface wave velocity structure in Chinese Capital region based on borehole seismic records, *Acta Seismologica Sinica.*, 33:342-350 (in Chinese)
4. **J.J. Chong**, S.D. Ni, X.F. Zeng (2010). sPL, an effective seismic phase for determining focal depth at near distance, *Chinese Journal Geophysics.*, 53(11):2620-2630 (in Chinese)
5. **Jiajun Chong**, Sidao Ni (2009). Near surface velocity and QS structure of the Quaternary sediment in Bohai basin, China, *Earthquake Science.*, 22(5):451~458
6. S.J. Wei, S.D. Ni, **J.J. Chong**, Y. Zheng, Y. Chen (2009). The 16 August 2003 Chifeng earthquake: Is it a lower crust earthquake? *Chinese Journal Geophysics.*, 52(1) 111-119 (in Chinese)
7. R.S. Fu, K.S. Wan, **J.J. Chong**, T.X. Xue (2009). Earthquake auspice or other factor ?—Discuss with authors of the paper “The short-term anomalies detected by broadband seismographs before the May 12 Wenchuan earthquake · Sichuan, China”, *Chinese Journal Geophysics.*, 52(2) 584-589 (in Chinese)
8. C. Liu, **J.J. Chong**, S.D. Ni, S.R. Li (2009). Study on the Crustal Thickness Beneath Stations of Seismic Network in Shanxi Province By Teleseismic Receiver Function, *Seismology and Geology.*, 32(2): 0253-4967 (in Chinese)
9. Y. Luo, **J.J. Chong**, S.D. Ni, et al (2008). Moho depth and sedimentary thickness in Capital region, *Chinese Journal Geophysics.*, 51(4):1135~1145 (in Chinese)
10. J.P. Huang, **J.J. Chong**, S.D. Ni (2008). Inversing the crustal thickness under the stations of China via H-Kappa method, *Journal of Univ. of Sci. and Tech. CHN.*, Vol.38,No.1 (in Chinese)

B. International Conference Papers

1. **Jiajun Chong**, et al. Joint Inversion of Teleseismic Body-Wave Receiver Function, Rayleigh-Wave Phase Velocity Dispersion and ZH Ratio. 2013 AGU Fall Meeting. (ORAL)
2. **Jiajun Chong**, Huaiyu Yuan, Scott French, Barbara Romanowicz, Sidao Ni. Anisotropic Upper Mantle Shear-wave Structure of East Asia from Waveform Inversion. 2012 IRIS Workshop, Boise, IDO
3. **Jiajun Chong**, Huaiyu Yuan, Scott French, Barbara Romanowicz, Sidao Ni. Imaging 3D anisotropic upper mantle shear velocity structure of Southeast Asia using seismic waveform inversion. 2011 AGU Fall Meeting. T33B-2409
4. **Jiajun Chong**, Sidao Ni. sPL, an effective seismic phase for determining focal depth at near distances. 2010 AGU Fall Meeting. S21C-2049