

# Zhu Zhang

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## Research Interests

Earthquake seismology, seismic tomography, receiver function, crustal structure, subduction zones

## Education

Ph.D. Candidate, Seismology, expected date December 2010, University of Wyoming, Laramie, Wyoming  
M. S., Geophysics, May 2006, Kansas State University, Manhattan, Kansas  
B. S., Geophysics, July 2002, University of Science and Technology of China, Hefei, China

## Experience and Field Work

Graduate Research Assistant, 06/2008~present, University of Wyoming

*Advisor: Ken Dueker*

*Projects:*

- 1. Colorado Rockies Experiment and Seismic Transects, summer 2008*
- 2. Characterizing the 410km discontinuity low velocity layer beneath the western U.S.*

Graduate Research Assistant, 07/2007~06/2008, Boston University

*Advisor: Geoff Abers*

*Projects:*

- 1. Broadband Experiment Across the Alaska Range*
- 2. Cascadia Array for EarthScope, summer 2006*
- 3. Multidisciplinary Observatories of Subduction, summer 2007*

Graduate Research Assistant, 01/2004~05/2006, Kansas State University

*Advisor: Steve Gao*

*Thesis: Searching for the difference in attenuation in split shear waves.*

Graduate Teaching Assistant, 08/2005~12/2005, Kansas State University

*Graded for Physical Geology courses of over 200 students.*

Undergraduate Researcher, 09/2001~06/2002, University of Science and Technology of China

*Advisor: Bin Liu*

*Thesis: Attenuation of elastic wave affected by wetting phenomena*

## Honors

College of Arts and Sciences Dean's Fellowship, 2006-2007, Boston University  
William J. Barrett Excellence Scholarship, 2004-2005, Kansas State University

## Programming

Antelope, Bash, C, Csh, Fortran, GMT, Matlab, SAC

## Professional Memberships

American Geophysical Union  
American Association of Petroleum Geologists  
Geological Society of America

## The Society of Exploration Geophysicists

### Extra Curricular Activities

Boston Ballet Volunteer Association, 2006-2008, Boston  
Member of Graduate Student Council, 2005, KSU  
Member of Williston Geology Club, 2005, KSU  
Usher in McCain Auditorium, 2005-2006, KSU  
Represented the department at GSA booth, 2005, Salt Lake City  
Present seismology topics in Kanza Show, 2004, KSU

### Abstracts

- **Z. Zhang**, J. J. Jasbinsek, K. Dueker, Characterizing the 410 km discontinuity low velocity layer beneath the western U.S. AGU, Fall Meet, 2008
- **Z. Zhang**, G. A. Abers, S. Rondenay, K. C. Creager, S. Malone, A. Wech, T. Melbourne, B. Hacker, Teleseismic imaging in Cascadia subduction zone: Cascadia Array for Earthscope, *ExxonMobil* 2007 student leadership conference, Houston, TX, 2007
- G. A. Abers, S. Rondenay, K. C. Creager, S. D. Malone, **Z. Zhang**, A. G. Wech, J. R. Sweet, T. I. Melbourne, B. R. Hacker, Imaging Subduction, Episodic Tremor and Slip in the Pacific Northwest: Cascadia Arrays For Earthscope (CAFE), *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract S43D-07, 2007
- G. A. Abers, S. Rondenay, K. C. Creager, S. Malone, A. Wech, **Z. Zhang**, T. Melbourne, B. Hacker, Imaging subduction, episodic tremor and slip in the Pacific Northwest: Cascadia Arrays for Earthscope, Spring EarthScope Meeting, 2007
- K. Creager, A. Wech, S. Malone, G. A. Abers, S. Rondenay, T. Merbourne, B. Hacker, **Z. Zhang**, Locating Cascadia Deep Tremor Using Envelope Cross Correlation, Spring EarthScope Meeting, 2007
- K. Liu, S. Gao, **Z. Zhang**, A cold mantle transition zone beneath the Baikal rift. *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract DI41A-1266, 2005
- **Z. Zhang**, S. Gao, K. Liu, Searching for the difference in attenuation in split shear wave, SEG/AAPG student expo, Houston, 2005
- Gao, S., Liu, K., **Z. Zhang**, and Gao, Y. Searching for the difference in attenuation between the fast and slow shear waves. *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract S13B-1049, 2004