MIN CHEN

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EDUCATION

2001 - 2008, Ph.D. in Geophysics, Caltech.

1996 - 2001, B.S. in Geophysics, University of Science and Technology of China (USTC).

RESEARCH AND TEACHING EXPERIENCE

2005, Teaching Assistant of Ge165 (Caltech): Geophysical Data Analysis.

2004, Teaching Assistant of Ge111ab (Caltech): Applied Geophysics Seminar and Field Course.

2002 Nov., Research Assistant of Pacific geophysical exploration cruise, RVIB N.B. Palmer, NBP0207, from Los Angeles, USA to Lyttleton, N.Z.

2001-present, Research Assistant in the theoretical & computational seismology research group, seismological laboratory, Caltech. Advisor: Jeroen Tromp.

AWARDS and HONORS

2007, Outstanding Student Paper Award at the 2007 Fall AGU Meeting.

2007, Scholarship, the 4th SPICE Research and Training Workshop in Cargèse, France.

2001-2002, Beno Gutenberg Fellowship, Caltech.

2000-2001, First Prize of Excellent Student Scholarship, USTC, China.

1999-2000, Baosteel Scholarship, Shanghai Baosteel Group Corporation, China.

1998-1999, Kwang-Hua Scholarship, Kwang-Hua Education Foundation, Taiwan.

PROFESSIONAL ACTIVITIES

2007, 4th SPICE Research and Training Workshop in Cargèse, France.

2006, EarthScope/USArray Imaging Science & CG Seismology Workshop, Washington University.

2006, Session convener, "Seismic Structure Beneath Eastern Eurasia II", 2006 Western Pacific Geophysics Meeting.

2005, Workshop of Mesh creation, domain decomposition and parallel computing in 3D geophysics,

University of Pau, France.

2004-present, Annual Tectonics Observatory meeting, Caltech.

2003-present, Member of American Geophysical Union, attend AGU fall meeting annually.

2003, GeoFramework System Workshop, Caltech.

PUBLICATIONS AND REPORTS

Maggi A., Tape C., **Chen, M.**, Chao D., Tromp, J., 2008. An automated time-window selection algorithm for seismic tomography (in preparation).

Chen, M., Tromp, J., Helmberger, D. and Kanamori, H.,2007. Waveform modeling of the slab beneath Japan, J. Geophys. Res., 112, B02305, doi:10.1029/2006JB004394.

Chen, M. and Tromp, J., 2007. Theoretical and numerical investigations of global and regional seismic wave propagation in weakly anisotropic Earth Models, Geophys. J. Int., 168, 1130 - 1152, doi:10.1111/j.1365-246X.2006.03218.x.

Tromp J., Komatitsch D., Liu Q., **Chen, M.**, Savage B., Hjörleifsdóttir V., Maggi A., Strand L., Tape C. and Kientz S., SPECFEM3D_BASIN Version 1.5 User Manual : the software package SPECFEM3D_BASIN simulates southern California seismic wave propagation based upon the spectral-element method (SEM).

Tromp J., Komatitsch D., Liu Q., **Chen, M.**, Savage B., Hjörleifsdóttir V., Maggi A., Strand L., Tape C. and Kientz S., SPECFEM3D_GLOBE Version 3.6 User Manual : the software package SPECFEM3D_GLOBE simulates three-dimensional global and regional seismic wave propagation based upon the spectral-element method (SEM).

Chen M., 2002, Scientific report of NBP0207 Pacific cruise: The isostatic response of Manihiki Plateau.

PRESENTATIONS

Chen, M., Liu, Q., Tromp, J., Maggi A., Kanamori H., Maeda T., Obara K., Towards Adjoint Tomography of the Japan Subduction Zone, Fall AGU Meeting, 2007.

Chen, M., Liu, Q., Tromp, J., Helmberger, D. and Kanamori, H., Waveform modeling and 3-D finite frequency kernels in the Japan subduction zone, Fall AGU Meeting, 2006.

Chen, M., Tromp, J., Helmberger, D. and Kanamori, H., Waveform modeling of the slab beneath Japan, Western Pacific Geophysics Meeting, 2006.

Chen, M., Tromp, J., Helmberger, D. and Kanamori, H., Waveform modeling of the slab beneath Japan, Fall AGU meeting, 2005.

Chen, M. and Tromp, J., Theoretical and Numerical Investigations of Seismic Anisotropy, Fall AGU meeting, 2003.

Gurnis M., Aivazis M., Tromp J., Tan E., Thoutireddy P., Liu Q., Choi E., Dicaprio C., **Chen M.**, Simons M., Quenette S., Appelbe B., Aagaard B., Williams C., Lavier L., Moresi L., Law H., GeoFramework: A Modeling Framework for Solid Earth Geophysics, Fall AGU meeting, 2003.

COMPUTER SKILLS

System: Linux, Unix, Windows.

Parallel computing: running MPI programs.

Programing languages: Perl, csh, Fortran, Matlab.

Graphics and editing packages: GMT, ArcView GIS, ENVI, Latex, PhotoShop, Illustrator.

INSTITUTIONAL SERVICES

2007, President, Caltech Salsa Club.

2007, Board Memeber, Caltech Graduate Review Board.

2005-2006, Committee Memeber, Seismo Lab Seminar Committee, Caltech.

2004, Team Manager, Caltech Chinese Student Soccer Team.

1999, President, Student Association of Earth and Space Science Division of USTC.