

Xin Wang

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B.S. – Geophysics, University of Science and Technology of China, 2003

M.S. – Geophysics, University of Science and Technology of China, 2006

M.S. – Geology, University of Michigan–Ann Arbor, 2008

Ph.D – Geophysics, University of Utah, 2008-present. Expected graduation Spring 2012

Membership – SEG, AGU, AAPG

Academic Experience

Coursework – A background in Geophysics courses includes geology, seismology, advanced seismic imaging, geodynamics, tectonics, inversion theory, rock mechanics, geomagnetism, and geoelectricity. Current classes include exploration seismology, PICP (petroleum industry career path)—wells logging and seismic interpretation.

Research

- 2009, Separation of Multiple Source Data by Adaptive Matching Filter.
- 2008, 2D/3D Least Square Migration with Quasi-Newton method.
- 2007, Using Finite Element Package ABAQUS to Investigate Present-day Temperature Distribution Based on a Mantle Flow Model.
- 2005-2006, Attended Project “*Improvement and Development of Thermal Activated Relaxation Wave Model of Porous Media*” Supported by National Natural Science Foundation of China.
- 2003-2005, Attended Project “*Research of Thermal Elastic Wave Propagation Model and Experiment in Porous Media*” Supported by National Natural Science Foundation of China.

Publications

- **X. Wang**. Progress Report on Separation of Multiple Source Data. 2009, Annual Year Report, UTAM, 91-94.
- **Master Thesis**: Present – day Three-dimensional Temperature Distribution From a Mantle Flow Model. 2008
- **X. Wang** and C. Lithgow-Bertelloni (2007) *Present-day three-Dimensional temperature distribution from a mantle flow model*, EOS Trans. AGU, 88(52), Fall Meeting Suppl., Abstract DI21A-0344
- **Master Thesis**: Study of Localized Deformation of High Porous Rock in Bifurcation Theory. 2006
- Daoying Xi, **Xin Wang**, Yunping Chen (2005), *Macroscopical Model of Hysteresis and Memory for the Description of Rock Nonlinear Elasticity*. Chinese Journal of Rock Mechanics and Engineering; Vol.24, 2212~2219.

SKILLS

Experienced using Unix, Linux and Mac OS operating systems.

Proficient programming skills in Fortran77/90, MPI, Matlab, GMT, ABAQUS.

Honors and Awards

Graduate Fellowship, University of Michigan 2006-2007

Undergraduate Honors Thesis, University of Science and Technology of China 2003

REFERENCE

Prof. Gerard T. Schuster,

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