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Yi Wang - CV

EDUCATION

Ph.D. (Seismology)	2006	SUNY Stony Brook, Stony Brook, NY, USA
M.S. (Seismology)	2004	SUNY Stony Brook, Stony Brook, NY, USA
B.S. (Geophysics)	2001	Beijing University, Beijing, P. R. CHINA

CURRENT POSITION

Research Geophysicist
Multicomponent R&D Group, CGGVeritas

RESEARCH EXPERIRENCE

- **2006 - 2007 Multicomponent R&D Group, CGGVeritas**
  - Developed algorithms of PZ summation and demultiple in x-t, f-k, and f-x domains;
  - Analyzed vector fidelity, tilt and orientation, receiver response, seabed physical properties for 4C geophone and hydrophone recordings;
  - Implemented mirror and conventional imaging;
  - Modeled seismic wave propagation for seabed acquisition and ice-surface acquisition;
  - Identified emerging technology services for clients;
  - Interpreted multicomponent data from projects in North Sea, Storegga, West Africa, etc.

- **2001 - 2006 Dept. of Geosciences, SUNY Stony Brook**
  - Constrained geometry, velocity and anisotropy of a prominent geochemical reservoir in the lower mantle beneath Africa;
  - Modeled seismic wave propagation in a laterally heterogeneous medium;
  - High-solution imaged 3D velocity structure;
  - Measured density and orientation of anisotropy;
  - Interpreted physical and chemical property and dynamic process.

- **1999 - 2001 Dept. of Geophysics, Beijing University**
  - Modeled seismic wave propagation in a laterally homogeneous medium;
  - Analyzed the relationship with frequency of attenuation Q value for coda waves;
  - Analyzed site effects and Q values in Tangshan area, China;
  - Designed the GUI application with Matlab.

PUBLICATIONS

- S. Grion, R. Exley, M. Manin, X. G. Miao, A. Pica, **Y. Wang**, P.-Y. Granger, and S. Ronen, 2007; Mirror Imaging of OBS data, *First Break*, **25**.
- **Y. Wang** and L. Wen, 2007; Complex Anisotropy near the Border of a Very Low Velocity Province at the Base of the Earth's mantle, *J. Geophys. Res.*, **112**, doi:10.1029/2006JB004719.

- **Y. Wang** and L. Wen, 2007; Geometry and P and S Velocity Structures of the "African Anomaly", *J. Geophys. Res.*, 112, doi:10.1029/2007JB005220.
- **Y. Wang** and L. Wen, 2004; Mapping the Geometry and Geographic Distribution of a Very Low Velocity Province at the Base of the Earth's Mantle, *J. Geophys. Res.,* 109, doi:10.1029/2003JB002674.

OTHER PUBLICATION

- **Y. Wang**, 2000; the Study of Site Effects and Q Values in Tangshan Area, China, Using the Moderate- and Small- Sized Earthquakes Waveform Records, "Chun-Tsung Scholar Articles".

CONFERENCE (EXTENDED) ABSTRACTS

- **Y. Wang** and S. Grion, 2008; PZ calibration in shallow waters: the Britannia OBS example, submitted to EAGE (Rome).
- J. Ronen, S. Grion, **Y. Wang**, and R. Exley, Mirror Imaging of the Storegga Slide Using Seismic Data Recorded with Sparse Ocean Bottom Stations, Fall AGU, 2006.
- **Y. Wang** and L. Wen, Seismic Constraints on Geometry, Seismic Velocity and Anisotropy of the "African Anomaly", Spring AGU, 2006 (***invited***).
- **Y. Wang** and L. Wen, Complex Seismic Anisotropy at the Edges of a Very-low Velocity Province in the Lowermost Mantle, Fall AGU, 2005 (poster).
- **Y. Wang** and L. Wen, Structural Features and Velocity Structures of the "African Anomaly", Gordon Conference, MA, June 12-17, 2005 (poster).
- **Y.Wang** and L. Wen, Structural Features and Velocity Structures of the "African Anomaly", IRIS/UNAVCO workshop, Portland, June 9-11, 2005 (poster).
- **Y. Wang** and L. Wen, Geometry and P- and S- Velocity Structures of the "African Anomaly", Fall AGU, 2004 (poster).
- L. Wen, Y. He, and **Y. Wang**, The "African Anomaly" and the "Pacific Anomaly" in the Lower Mantle: Similarities and Differences, Fall AGU, 2004, (poster).
- **Y. Wang** and L. Wen, Seismic Constraints on the "African Anomaly" in the Lower Mantle, Fall AGU, 2003 (poster).
- L. Wen and **Y. Wang**, The "African Anomaly", Fall AGU, 2003 (***invited***).
- L. Wen and **Y. Wang**, The "African Anomaly", Spring AGU, 2003 (poster).
- **Y. Wang** and L. Wen, Mapping the Boundary in the South Atlantic Ocean for a Compositional Anomaly at the Base of the Mantle, Fall AGU, 2002 (poster).

AWARDS

Research Scholarship, 2002-2006
Classic achievement appearing on the cover of IRIS next five-year (2006-2010) proposal, 2005
Traveling grant to IRIS/UNAVCO workshop, 2005
Traveling grant to Gordon conference, 2005
Excellent Undergraduate Student, 2001
Excellent Undergraduate Student of Beijing, 2001
"Chun-Tsung Scholar" Title, awarded by Director T. D. Lee, 2000
Excellent Student Prize, 1999

Great Honor Scholarship, 1999
Hong Kong City Scholarship, 1998

TEACHING

- Teaching Assistant, Glacial Geology: Dept. of Geosciences, SUNY Stony Brook (2002)
- Teaching Assistant, Groundwater Hydrology: Dept. of Geosciences, SUNY Stony Brook (2002)
- Teaching Assistant, Introduction to Geophysics: Dept. of Geosciences, SUNY Stony Brook (2001)

PROFESSIONAL ACTIVITIES

Member of AGU, SEG, EAGE