Chao Ma

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EDUCATION

- *University of Houston,* Houston, TX, August 2010 – present
  Ph. D. Candidate, Physics, (expected) summer, 2016.
- *China University of Petroleum, East China,* Qingdao, China, September 2006 – June 2010
  B.S., Geophysics, June 2010.

EXPERIENCES

- *Summer internship, WesternGeco/Schlumberger,* Houston, TX, May 2013 – August 2013
  - Examine the spurious events effects of leading-order inverse scattering series internal multiple attenuation algorithm.
- *Research assistant, M-OSRP, Univ. of Houston,* Houston, TX, June 2011 - present
  - Propose a new higher-order ISS internal-multiple attenuation algorithm to address a limitation of the current leading-order ISS internal multiple attenuation algorithm—important for complex on-shore and off-shore plays
- *Teaching assistant, Dept. of Physics, Univ. of Houston,* Houston, TX, August 2010 – June 2011

PUBLICATIONS

- Liang, H., **C. Ma**, A. B. Weglein, 2013, General theory for accommodating primaries and multiples in internal multiple algorithm: analysis and numerical analysis. SEG Technical Program Expanded Abstracts.
- **Ma, C.**, A. B. Weglein, 2013. One-dimensional analytic analysis of the effects of treating internal multiples in the data as subevents in the leading-order inverse scattering series (ISS) internal multiple attenuation algorithm: analogues between free-surface and internal-multiple algorithms. M-OSRP Annual Report.
- **Ma, C.**, H. Liang, A. B. Weglein, 2012, Modifying the leading order ISS attenuator of first-order internal multiples to accommodate primaries and internal multiples: fundamental concept and theory, development, and examples exemplified when three reflectors generate the data. M-OSRP Annual Report.
- Liang, H., **C. Ma**, A. B. Weglein, 2012, A further general modification of the leading-order ISS attenuator of first-order internal multiple to accommodate primaries and internal multiples when an arbitrary number of reflectors generate the data: theory, development, and examples. M-OSRP Annual Report.

COMPUTER SKILLS

- Programming/Software: C/C++, Matlab, Mathematica, Seismic Unix
- Application: Word, Excel, Powerpoint, Latex

AWARDS AND HONORS

- First Class Scholarship 2008-2009, Qingdao, China
- National Scholarship 2007-2008, Qingdao, China
- National Scholarship for Encouragement 2006-2007, Qingdao, China
- Second prize in 21st UPC Advanced Mathematical Contest 2006-2007, Qingdao, China
- Distinguished Student 2006-2010, Qingdao, China

ACTIVITIES

- Volunteer Service at THE BEACON, fall, 2012, Houston, TX
- Volunteer Service at community college, fall, 2008, Qingdao, China