

Mandy Man Chu Wong

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Education

- Sep 2008 - present *Stanford University* Stanford, CA
PhD (current GPA: 4.08/4.15)
Major: Geophysics (Stanford Exploration Project)
- Aug 2006 *University of British Columbia,* Vancouver, BC
Master of Science in Physics (GPA: 4.0/4.0)
- May 2004 *University of British Columbia,* Vancouver, BC
Bachelor of Science (GPA: 3.87/4.00)
Major: Combined Honors in Physics and Mathematics

Honours, Scholarships, Fellowships:

Name of Awards	Value	Level	Type	Location of Tenure	Year
BP Fellowship	-	Institutional	Research	Stanford	2010
Chevron Fellowship	11266	Institutional	Research	Stanford	2009
Michael J. Crooks Memorial Scholarship	1450	Institutional	Academic	UBC	2007
NSERC Postgraduate Scholarship	17300	National	Research	UBC	2005-2006
UBC Graduate Scholarship	10720	Institutional	Academic	UBC	2005
UBC Graduate Entrance Scholarship	6000	Institutional	Academic	UBC	2004
NSERC Undergraduate Student Research Award	8000	National	Research	UBC	2003
UBC Undergraduate Scholars Program	10000	Institutional	Academic	UBC	2000-2004

Work Experience

- June 2012 – Sept 2012 Geophysics Intern Houston, TX
BP America Inc.
 - Conduct research in the field of seismic imaging
- June 2011 – Sept 2011 Geophysics Intern Houston, TX
Shell International Exploration & Production Inc.
 - Conduct research in the field of seismic imaging
- June 2010 – Sept 2010 Geophysics Intern Houston, TX
Shell International Exploration & Production Inc.
 - Conduct research in the field of seismic imaging
- Sep 2008 – June 2010 Research Assistant Stanford, CA
Stanford University
 - Research: Migration with multiples, ocean bottom data

Nov 2007 – Aug 2008

Junior Geophysicist

SJ Geophysics Inc.

Vancouver, BC

- Modeling and Inversion of potential field data (EM, IP, magnetic and gravity survey)
- Interpretation of geophysical data for the production of pseudo-geological maps
- Review (Quality Control) of field acquisition data.

Research Experience

- Research Assistant with Prof. Biondo Biondi
Topics: *Joint inversion of up- and down-going signal for ocean bottom dataset*, Imaging with multiples using least-squares reverse-time migration.
- Master Thesis with Prof. Fei Zhou
Title: *Quantum Dimer Model and its application in Topologically Protected Qubit*
- Undergraduate Honour Thesis with Prof. Mona Berciu
Title: *Nanoscale Zeeman Localization of Charge Carriers in Diluted Magnetic Semiconductor – Permalloy Hybrids*

Publications

Wong, M., Biondo, L. B., and Ronen S, 2012, *Imaging with multiples using linearized full-wave inversion*, SEG Technical Program Expanded Abstract.

Wong, M., Ronen S. and Biondo, L. B., 2012, *Joint imaging with streamer and OBN data*, SEG Technical Program Expanded Abstract.

Wong, M., Ronen S. and Biondo, L. B. 2011, *Least-squares reverse time migration/inversion for ocean bottom data: A case study*, SEG Technical Program Expanded Abstract.

Wong, M., Biondi L. B. and Ronen, S. 2010, *Joint inversion of up- and down-going signal for ocean bottom data*, SEG Technical Program Expanded Abstract.

Joint inversion of up- and down-going signal for ocean bottom data, talk at Geological Survey of Canada, June 9th, 2010

Professional Membership and other Activities

- Society of Exploration Geophysicist (SEG)
- Canadian Society of Exploration Geophysicist (CSEG)
- European Association of Geoscientists and Engineers (EAGE)
- **Reviewer:** Geophysics, SEG [2010 – Date]

Work Authorization

Citizenship: Canada

Work Authorization: Canada and United States (F1 student Visa)