Jingxuan Wei

Institute for Geophysics
Jackson School of Geosciences
University of Texas at Austin
10100 Burnet Rd, Austin, TX 78758
E-mail: Jingxuan.wei@austin.utexas.edu

EDUCATION

2017-Current	Ph.D., Geophysics, **Texas A&M University**
	Multi-scale Analysis of Thermohaline Structures through Seismic Oceanography, South Atlantic Ocean
May 2017	M.Eng., Geological Sciences, **Cornell University**
	Tibet INDEPTH IV Near Vertical Reflection Seismic Data Analysis
July 2015	B.Eng. (with Honor), Applied Geophysics, **Jilin University**, China

PROFESSIONAL EXPERIENCE

2022.04 – present	**Postdoctoral Fellow,** University of Texas Institute for Geophysics
2020.01 – 2022.03	**Graduate Research Assistant**, Texas A&M University
2017.08 – 2019.12	**Graduate Teaching Assistant**, Texas A&M University
2016.05 – 2016.08	**Geophysics Intern**, China National Petroleum Corporation
2015.09 – 2016.05	**Research Assistant**, Jilin University
2014.09 – 2014.10	**Exchange Student**, Kangwon National University, Korea Institute of Geoscience and Mineral Resources
2013.05 – 2014.12	**Undergraduate Researcher**, Jilin University

PUBLICATIONS

Wei, J., Gunn, K. L., & Reece, R. (2022). Mid-Ocean Ridge and Storm Enhanced Mixing in the Central South Atlantic. *Frontiers in Marine Science*, 8, 771973.

Wei, J., Gunn, K. L., & Reece, R. (in prep). Seismic Observation of Deep Penetration of Near-inertial Energy at the Edge of an Anticyclonic Eddy.

Wang, T., Wang, D., Feng, F., Cheng, H., **Wei, J.**, & Tian, M. (2017). Multiple prediction with 3D sparse inversion and curvelet match. *Journal of Jilin University (Earth Science Edition)*, 47(6), 1865-1874.

Wei, J., Xue, L., He, M. (2014). Applications of Saturation Models on Tight Sandstone Gas Reservoirs. *The Earth*, (11): 225-226.

CONFERENCES

Wei, J., Gunn, K. L. & Reece, R. (2022) Mid-Ocean Ridge and Storm Enhanced Mixing in the Central South Atlantic. ASLO Ocean Sciences Meeting 2022.

Wei, J., Reece, R., Fortin, W., Gunn, K., & Acquisto, T. M. M. (2020, December). Spatial Heterogeneity of Diapycnal Mixing within the South Atlantic Thermocline. In AGU Fall Meeting Abstracts (Vol. 2020, pp. OS042-0020).

Wei, J., Reece, R., Fortin, W., & Acquisto, T. (2020, May). Water Mixing and Circulation within the South Atlantic Basin Constrained by Seismic Reflection Images. In EGU General Assembly Conference Abstracts (p. 11616).

Wei, J., Reece, R., & Acquisto, T. M. (2019, December). Water Circulation within South Atlantic Subtropical Gyre Constrained by Seismic Reflection Images. In AGU Fall Meeting Abstracts (Vol. 2019, pp. PP53D-1481).

TEACHING

Fall 2020	Lab Instructor, GEOP 341, Fundamentals of Geophysics
Spring 2019	Lab Instructor, GEOP 361, Geophysical Signal Processing
	Lab Assistant, GEOL 478, Earth Science Modeling
Spring 2018	Lab Instructor, GEOL 102, Physical Geology
Fall 2017	Lab Instructor, GEOP 341, Fundamentals of Geophysics

FIELD ACTIVITIES

2021	Trinity River Paleochannel Project, Gulf of Mexico
	Shipboard geophysicist, R/V Tommy Munro, seismic reflection, coring
2019	Trinity River Paleochannel Project, Gulf of Mexico
	Shipboard geophysicist, R/V Manta, seismic reflection, coring
2019	Seismic Oceanography Cruise, Gulf of Mexico
	Shipboard geophysicist, R/V Trident, seismic reflection, CTD
2018	Hawaiian-Emperor Seismic Experiment, Hawaiian Island Chain
	Watch Stander, R/V Marcus G. Langseth, seismic reflection, multibeam bathymetry

HONORS & AWARDS

2020	ConcocoPhillips/HEEP Graduate Fellowship, College of Geosciences, Texas A&M University
2020	Robert Berg Fellowship, College of Geosciences, Texas A&M University
2019	Carolyn & Dan Pedrotti '53 Fellowship, Berg Hughes Center Texas A&M University

2019	Charlie & Jean Smith Scholarship, Society of Exploration Geophysicists
2015	Outstanding Graduation Student Award, Jilin University
2014	Outstanding Research Project, National University Student Innovation Program, Ministry of Education of China
2014	LIU Guangding Geophysics Fellowship, LIU Guangding Geophysics Science Foundation

LICENSES & CERTIFICATIONS

2019	Machine Learning by Stanford University, Coursera
	Credential ID: KWGRDNJUDTFR

COMPUTER KNOWLEDGE

Programming: MATLAB, Python, Shell scripting
Software: Seismic Unix, GMT (Generic Mapping Tools), Paradigm Echos, VISTA, HampsonRussell, Petrel

LEADERSHIP/ACTIVITIES

2013 – 2014	President, Student Union, College of Geo-Exploration Science and Technology, Jilin University
2011 – 2015	Class Monitor, Class of Applied Geophysics, Jilin University

SERVICE

2018	"Big Event" Bryan/College Station community service
2013	Environment Protection Organization of Jilin University
2012	Investigation of the environmental situation of the Wenchuan Earthquake

PROFESSIONAL MEMBERSHIPS

American Geophysical Union, Society of Exploration Geophysicists