Jianhua (Ginny) Gong

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EDI	IICA	TT(N

2015–2021	Ph.D., Geophysics MIT/WHOI Joint Program, Massachusetts, US Co-advisors: Dr. Jeffrey J. McGuire and Dr. Dan Lizarralde Thesis: Structure and Mechanics of the Subducted Gorda Plate: Constrained by Afterslip Simulations and Scattered Seismic Waves
2012–2015	M.Sc., Geophysics Peking University, Beijing, China Advisor: Dr. Zengxi Ge Thesis: Imaging Mantle Transition Zone with SS Precursor
2008-2012	B.Sc., Geophysics Peking University, Beijing, China

PROFESSIONAL EMPLOYMENT

Starting 2023	Assistant Professor Department of Earth and Atmospheric Sciences, Indiana University, Bloomington
2021-2022	Postdoctoral Scholar Scripps Institution of Oceanography, University of California, San Diego, La Jolla, CA Mentor: Dr. Wenyuan Fan

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PUBLICATIO	ATC
[6]	Gong, J., and J. J. McGuire. "Waveform signatures of earthquakes located close to the subducted Gorda plate interface", Bulletin of the Seismological Society of America, (2022), doi: https://doi.org/10.1785/0120210261.
[5]	Gong, J., W. Fan, and R. Parnell-Turner. "Microseismicity indicates atypical small-scale
[4]	plate rotation at the Quebrada transform fault system, East Pacific Rise", Geophysical Research Letters, (2022), doi: 10.1029/2021GL097000.
[4]	Gong, J., and J. J. McGuire. "Constraints on the geometry of the subducted Gorda plate
[]	from converted phases generated by local earthquake", Journal of Geophysical Research: Solid Earth, (2020), e2020JB019962.
[3]	Shinevar, W., H. Mark, F. Clerc, E. A. Codillo, J. Gong, J. Olive, S. M. Brown, P. T. Smalls,
[4]	Y. Liao, V. Le Roux, and M. D. Behn. "Causes of oceanic crustal thickness oscillations along
	a 100-Myr Mid-Atlantic Ridge flow line", Geochemistry, Geophysics, Geosystems, 20 (2019): 6123-6139.
[2]	Gong, J., and J. J. McGuire. "Interactions between strike-slip earthquakes and the subduc-
[~]	tion interface near the Mendocino Triple Junction", Earth and Planetary Science Letters, 482 (2018):414-422.
	102 (2010).111 122.

[1] **Gong**, **J.**, and Z. Ge. "Finite-frequency effects of SS precursor", Acta Scientiarum Naturalium Universitatis Pekinensis, 2016, 52(6): 1014-1024.

Submitted Gong, J., and W. Fan. "Seismicity, fault architecture, and slip mode of the westernmost Gofar transform fault".

Liu, T., J. Gong, and W. Fan. "In-situ Vp/Vs ratio reveals fault-zone material variation at the westernmost Gofar transform fault, East Pacific Rise".

Fan, W., P. M. Shearer, D. T. Trugman, R. S. Matoza, J. Buehler, N. Mancinelli, W. Wang, S. S. Wei, X. Chen, G. Lin, T. Liu, and **J. Gong**. "Event Filing System (EFS): A binary seismic data format for fast I/O on demand on multiple platform".

INVITED TALKS

04/2022	Gong, J. . "Microseismicity and fault slip at ultra fast slipping oceanic transform fault". Marine Geology and Geophysics Seminar. Graduate School of Oceanography, University of Rhode Island.
12/2021	Gong, J., W. Fan, M. S. Boettcher, J. J. McGuire, J. A. Collins, J. M. Warren, M. D. Behn, E. C. Roland, C. R. German, Y. Liu, and T. A. Morrow. "Using microearthquakes to investigate the earthquake preparation process at the Gofar Transform Fault, East Pacific Rise". AGU Fall Meeting.
03/2021	Gong, J., and J. J. McGuire. "Constraints on the geometry of the subducted Gorda plate from converted phases generated by local earthquakes". SSA Cutting-edge Methods and Applications in Seismic Tomography.

FIELD EXPERIENCE

11/2019-12/2019	R/V Atlantis, AT42: OBS deployment and rock dredging for the Gofar Transform Fault Earthquake Prediction Experiment.
10/2019 - 12/2019	Nodal array experiment in northern California to image the Cascadia locked zone.
09/2019	R/V Armstrong, AR38: Student Lead Cruise. Capturing shelf-break front dynamics and interaction with warm core ring; phytoplankton, zooplankton and nutrient sampling.
07/2016	$\mathbf{R/V}$ Sikuliaq: Borehole tiltmeter deployment offshore Vancouver Island.
12/2014-01/2015	$\mathbf{R/V}$ Dayangyihao, $\mathbf{DY34}$: Geological survey near mid-ocean ridge in southwest Indian ocean.
03/2014	Broadband seismometer deployment in Shandong Province, China.

TEACHING

2023-Spring I will teach EAS E454/G554 Fundamentals of Plate Tectonics in the Spring semester.

ACADEMIC SERVICE

-	Reviewer for Journal of Geophysical Research, Geochemistry, Geophysics, Geosystems, and Nature Communications
12/2022	Co-Convener: S017. Microseismicity and fault slip: observations, modeling and experiments. AGU Fall Meeting
06/2022 – 06/2024	US-InterRidge Steering Committee
04/2022	Co-Convener: Frontiers in Marine Seismology session, SSA Annual Meeting

07/2021–06/2022 IGPP departmental seminar organizer

01/2021 Early career organizing committee: IRIS Marine Seismology Symposium

OUTREACH & COMMUNITY SERVICE

07/2021-07/2022 Co-Vice Chair of Wellness and Sustainability, Postdoc Association of UCSD

08/2019 Woods Hole Science Stroll: Ocean Bottom Seismometer booth

08/2018 Woods Hole Science Stroll: National Deep Submergence Facility booth

PROFESSIONAL MEMBERSHIP

American Geophysical Union Seismological Society of America Southern California Earthquake Center