

Wan-Lin HU

Postdoctoral fellow

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RESEARCH INTERESTS

Earth science, structural geology and tectonics, tectonophysics, orogeny, fold-and-thrust belts, and subduction zones

EDUCATION

- 2019–2023: Ph.D., Asian School of the Environment, Nanyang Technological University, Singapore
- 2013–2015: M.Sc., Department of Geoscience, National Taiwan University, Taipei, Taiwan
- 2008–2013: B.Sc., Department of Geoscience, National Taiwan University, Taipei, Taiwan

WORK EXPERIENCE

- Apr., 2024–present: Postdoctoral fellow, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan
- Aug., 2016–Aug., 2018: Professional geologist and researcher, Sinotech Engineering Consultant Inc., Taipei, Taiwan
- Jan., 2016–Jul., 2016: Research assistant, Department of Earth and Environment Sciences, National Chung-Cheng University, Chiayi, Taiwan

PUBLICATIONS

Peer-reviewed journal articles

- Wei, S. **et al.**, 2022. Simultaneous rupture propagation through fault bifurcation of the 2021 Mw7.4 Maduo earthquake. *Geophysical Research Letters*, 49, e2022GL100283. <https://doi.org/10.1029/2022GL100283>
- **Hu, W.-L.**, 2022, How do differences in interpreting seismic images affect estimates of geological slip rates? *Solid Earth*, 13, 1281–1290, <https://doi.org/10.5194/se-13-1281-2022>.
- **Hu, W.-L.** and Stevens, V. L., 2022, Duplex kinematics reduces both frontal advance and seismic moment deficit in the Himalaya. *Geology*, 50 (10): 1161–1165. doi: <https://doi.org/10.1130/G50229.1>.

Conferences

- **Hu, W.-L.**, 2023, How do differences in interpreting seismic images affect estimates of geological slip rates? EGU Annual meeting, Vienna, Austria. [**Invited talk**]
- **Hu, W.-L.** et al., 2023, The 2006 Pingtung intraslab earthquake doublet offshore southwestern Taiwan: Complex normal and strike-slip faulting in the northern Manila subduction zone where the continent- oceanic transitional slab subducts. EGU Annual meeting, Vienna, Austria.
- Jiang, Y. **et al.**, 2023, Modelling cascading ruptures on near-orthogonal strike-slip fault system: the 2019 Cotabato (the Philippines) earthquake sequence. EGU Annual meeting, Vienna, Austria.
- Oo, WSS **et al.**, 2022, Blind fault branching and propagation beneath Central Myanmar Basin revealed by high-resolution aftershock location and focal mechanism of the 2019 Mw5.5 YeU earthquake sequence. AGU Fall meeting, Chicago, U.S.
- **Hu W.-L.**, Zeng, H., Wei, S. and Muksin, Umar, 2022, A pilot search for non-volcanic tremors along the Aceh segment of the Great Sumatran Fault. AGU Fall meeting, Chicago, U.S.
- **Hu, W.-L.**, 2022, On the discrepancy of rates between geological slip and geodetic shortening: A structural geometry viewpoint. AGU Fall meeting, Chicago, U.S.
- **Hu, W.-L.** and Stevens, V. L., 2022, Duplex kinematics reduces both frontal advance and seismic moment deficit in the Himalaya. The Himalaya-Karakorum-Tibet (HKT) workshop, Pokhara, Nepal.

AWARDS AND SCHOLARSHIPS

- 2019-2023: The Singapore International Graduate Award (SINGA), granted by the Agency for Science, Technology & Research and the Nanyang Technological University, Singapore
- 2015: Outstanding Student Paper Award, Joint Annual Conference of Geological society and Geophysical Society, Taiwan
- 2013: Dean's Award of College of Science, National Taiwan University, Taiwan