


LIN Yi

Research Associate Professor

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Sichuan Province, China

Education

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| 2014–2020 | Ph.D in Geophysics, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China. Advisor: Jinhai ZHANG |
| 2010–2014 | B.E. in Geophysics, Jilin University, Changchun, China |

Employment

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| 2024–present | Visiting Scientist, Università degli Studi di Padova, Padova, Italy |
| 2022–present | Research Associate Professor, Chengdu University of Technology, Chengdu, China |
| 2020–2022 | Postdoctoral Research Associate, Peking University, Beijing, China, Advisor: Li ZHAO |

Research Interests

- Observational seismology
- Signal Processing in Seismology
- Imaging of seismic Anisotropy
- Structure, evolution, and deformation of continental lithosphere

Professional Societies & Activities

- Member of the [European Geosciences Union](#) (since 2025)
- Life member of the [Chinese Geosciences Union](#) (since 2024)
- Member of the [American Geophysical Union](#) (since 2020)
- Member of the [Society of Exploration Geophysicists](#) (since 2017)

Received Funds

- **Collaborator.** National Natural Science Foundation of China. No. 42430303. Deep mechanism of differential activities between strong earthquakes and volcanoes beneath the Shanxi Rift. Project period: 01/2025-12/2029. Funding: 2,290,000 RMB.
- **Principal Investigator.** National Natural Science Foundation of China. No. 42404065. Crust-mantle deformation beneath the northeastern margin of the Tibet Plateau revealed by full-wave anisotropy tomography. Project period: 01/2025-12/2027. Funding: 300,000 RMB.

- **Principal Investigator** . China Postdoctoral Science Foundation. No. 2020M680205. Automatic measurement of SKS splitting intensity and its application in anisotropy tomography in Sichuan-Yunnan region. Project period: 11/2020-09/2022. Funding: 80,000 RMB.

Peer-reviewed Publications

*corresponding author, #co-first author.

7. Lin, Y., & Zhao, L.. (2024). Upper-mantle anisotropy in the southeastern margin of Tibetan Plateau revealed by fullwave SKS splitting intensity tomography. *Journal of Geophysical Research: Solid Earth*, 129(3), e2023JB027629. doi:[10.1029/2023JB027629](https://doi.org/10.1029/2023JB027629)
6. Lin, Y., & Zhang, J. (2022). A multispectral denoising framework for seismic random noise attenuation. *IEEE Transactions on Geoscience and Remote Sensing*, 60, 1–17. doi:[10.1109/TGRS.2020.3047633](https://doi.org/10.1109/TGRS.2020.3047633)
5. Li, C., Lin, Y., Lv, W., & Zhang, J. (2021). Eliminating above-surface diffractions from GPR data using iterative Stolt migration. *Geophysics*, 86(1), H1–H11. doi:[10.1190/geo2019-0796.1](https://doi.org/10.1190/geo2019-0796.1)
4. Zhang, J., Zhou, B., Lin, Y., Zhu, M., Song, H., Dong, Z., Gao, Y., Di, K., Yang, W., Lin, H., Yang, J., Liu, E., Wang, L., Lin, Y., Li, C., Yue, Z., Yao, Z., & Ouyang, Z. (2021). Lunar regolith and substructure at Chang'E-4 landing site in South Pole-Aitken basin. *Nature Astronomy*, 5, 25–30. doi:[10.1038/s41550-020-1197-x](https://doi.org/10.1038/s41550-020-1197-x)
3. Lin, Y., & Zhang, J. (2020). Progressive denoising of seismic data via robust noise estimation in dual domains. *Geophysics*, 85(1), V99–V118. doi:[10.1190/geo2019-0010.1](https://doi.org/10.1190/geo2019-0010.1)
2. Lin, Y., Hao, J., Miao, Z., Zhang, J., & Yang, W. (2020). NanoSIMS image enhancement by reducing random noise using low-rank method. *Surface and Interface Analysis*, 52, 240–248. doi:[10.1002/sia.6736](https://doi.org/10.1002/sia.6736)
1. Sun, W., Fu, L., Wei, W., Lin, Y., & Tang, Q. (2018). The crust-mantle transition structures beneath eastern China. *Chinese Journal of Geophysics*, 61(3), 845–855. doi:[10.6038/cjg2018L0551](https://doi.org/10.6038/cjg2018L0551) [in Chinese]

Meeting Abstracts

8. Suwen, J., Lin, Y., Zhao, L., Chen, Q.F. (2023). Full-wave anisotropy imaging of the upper mantle in Northeast China. In CGU Annual Meeting Abstracts.
7. Suwen, J., Lin, Y., Zhao, L., Chen, Q.F. (2023). Full-wave anisotropy tomography for the upper mantle of Northeast China using SKS splitting intensities. In EGU (European Geosciences Union) General Assembly 2023.
6. Suwen, J., Lin, Y., Zhao, L., Chen, Q.F. (2022). Full-wave anisotropic tomography in Northeast China based on splitting intensity. In CGU Annual Meeting Abstracts.
5. Lin, Y., & Zhao, L.. (2022). Full-waveform multi-scale imaging of upper mantle anisotropy in Sichuan-Yunnan region. In CGU Annual Meeting Abstracts.
4. Lin, Y., & Zhao, L.. (2021). Full-wave upper-mantle anisotropy tomography for the southeastern margin of the Tibetan Plateau using SKS splitting intensity data. Abstract DI45C-0034 virtually presented at 2021 AGU Fall Meeting.

3. **Lin, Y., & Zhao, L..** (2021). Full wave multiscale tomography for the upper mantle anisotropy under Sichuan Yunnan, China. Abstract virtually presented at 37th General Assembly of the European Seismological Commission.
2. **Li, C., Lin, Y., Lv, W., & Zhang, J..** (2020). A ground-penetrating radar surface diffracted wave separation based on iterative Stolt migration method. In CGU Annual Meeting Abstracts.
1. **Lin, Y., Sun, W., Wei, W., Fu, L.-Y.** (2015). One-way wave approximation of wave equation in polar coordinates. In CGU (Chinese Geosciences Union) Annual Meeting Abstracts.

Teaching Experience

Chengdu University of Technology

- Lecturer, “Numerical Analysis” (2023S, 2024S)
- Lecturer, “Progress in Geophysics” (2023S, 2024S)
- Lecturer, “Seismology” (2023F, 2024F)
- Lecturer, “Earth Intelligent Exploration Methods and Techniques” (2023F, 2024F)

Peking University

- Teaching assistant, “Introductory Machine Learning for Earth Scientists” (2020F)
- Teaching assistant, “Big Data Applications in Earth Sciences” (2020F)

Students Supervision

Graduate Advisees

- Wuxueying QIU(M.S. expected 2026), Co-advised with Dr. Kai DENG

Undergraduate Research Advisees

Current undergraduate advisees:

- Jun-Ang CHEN - research advisor, 2023–present
- Simin CHEN - research advisor, 2024–Present
- Huaxuan LI - research advisor, 2024–Present
- Yirui YANG - research advisor, 2024–Present
- Chenxu YIN - research advisor, 2024–Present
- Wuchenyu YANG - research advisor, 2024–Present
- Junyu WU - research advisor, 2024–Present
- Lu YANG - research advisor, 2024–Present
- Hantao ZHANG - research advisor, 2024–Present
- Ling ZHANG - research advisor, 2024–Present

- Junkai YAN - research advisor, 2024–Present
- Zhuoyu MO - research advisor, 2024–Present
- Shuyang SHAO - research advisor, 2024–Present

Past undergraduate advisees:

- Ao LI - research advisor, 2023/09–2024/06, now a MS student at Southern University of Science and Technology (SUSTech)
- Ying PENG - research advisor, 2022/12–2023/06, now a MS student at China University of Geosciences (Wuhan)
- Yongteng GONG - research advisor, 2022/12–2023/06