Curriculum Vitae

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Research Interests: seismology, earthquake detection and location, focal mechanism inversion, stress inversion, seismic tomography

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Education

2023 Doctor of Philosophy, Taiwan International Graduate Program - Earth System Science, National Central University and Institute of Earth Sciences – Academia Sinica
2015 Master of Science, Department of Earth Sciences – National Taiwan Normal University, Taipei, Taiwan
2013 Bachelor, Faculty of Geology – Hanoi University of Science, Vietnam National University, Hanoi, Vietnam

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Publications:

3. Phung, V.B., **Nguyen, C.N.** and Huang, B.S., 2023. On the development of region and site-specific ground motion prediction model for the region of I-lan, Taiwan. *Engineering Geology*, *312*, p.106933; doi: https://doi.org/10.1016/j.enggeo.2022.106933
2. **Nguyen, C. N.,** Van, D.N., Thi, G.H., Le, M.N., Huang, B.S., Tien, H.N., Le Quang, K. and Huu, H.N., 2022. Automatic earthquake detection and phase picking in Muong Te, Lai Chau region: an application of machine learning in observational seismology in Vietnam. *Vietnam Journal of Earth Sciences*, *44*(3), pp.430-446; doi: https://doi.org/10.15625/2615-9783/17253
1. **Nguyen, C.N.,** Huang, B.S., Duong, N.A., Le, Q.K., Ha, T.G., Van, D.Q., Long, H.V. and Chen, P.F., 2022. Characteristics of earthquake source and ground motions in Northern Vietnam investigated through the 2020 Moc Chau M5.0 earthquake sequence. *Journal of Asian Earth Sciences*, *229*, p.105144; doi: https://doi.org/10.1016/j.jseaes.2022.105144

Conference presentations:

4. Nguyen C. N., Huang, B. S., Nguyen, V. D., Ha, T. G., Dinh, Q. V., Nguyen, L. M., Pham, T. T., Nguyen, T. H., Le, Q. K., Nguyen, H. H, Chen, P. F., 2022. Source characteristics of the ML4.9 Muong Te earthquake sequence, northwest Vietnam from earthquake location

and focal mechanism inversion. Taiwan Geosciences Assembly 2022

3. **Nguyen, C.N.**, Huang, B.S., Chen, P.F., Nguyen, V.D., Ku, C.S., Huang, W.G., Bautista, B.C., Narag, I., Sevilla, W.I., Arnaldo, M., 2019. Determine the Moho depth and sedimentary layer thickness in a subduction zone: Results of receiver function analysis from North Philippines. EGU 2019

2. **Nguyen, C.N.**, Huang, B.S., Chen, P.F., Nguyen, V.D., Ku, C.S., Huang, W.G., Bautista, B.C., Narag, I., Sevilla, W.I., Arnaldo, M., 2018. Determine the Moho depth and sedimentary layer thickness in a subduction zone: Results of receiver function analysis from North Philippines. AOGS 2018.

1. **Nguyen, C.N.**, Huang, B.S. and Chen, P.F., 2017. Constraint on the magma sources in Luzon Island Philippines by using P and S wave local seismic tomography. AGU 2017.

Grants and awards:

1. Ministry of Science and Technology (R.O.C) student travel grant 2017 (NTD52,000).

2. AGU Student Travel Grant 2017 (US$1,000)