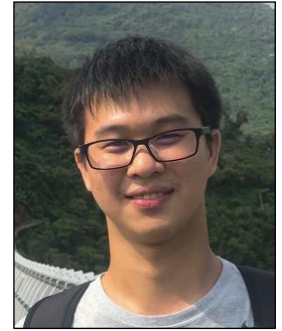


# Curriculum Vitae



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## Education

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Ph.D., Geosciences, National Taiwan University, Taiwan	2017 – 2021
M.Sc., Geophysics, National Central University, Taiwan	2014 – 2016
B.Sc., Earth Sciences, National Central University, Taiwan	2010 – 2014

## Research Interests

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Crustal deformation | GNSS geodesy | Seafloor geodesy | Seismic cycle | Rheology | Fault mechanics

## Research Positions

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### Postdoctoral Fellow

Institute of Earth Sciences, Academia Sinica, Taiwan 08/2021 – present

### Research and Development Substitute Services

Institute of Earth Sciences, Academia Sinica, Taiwan 06/2016 – 04/2019

### Research Assistant

Institute of Earth Sciences, Academia Sinica, Taiwan 04/2016 – 05/2016

## Publications

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- Hsu, Y.-J., Fu, Y., Bürgmann, R., Hsu, S.-Y., Lin, C.-C., **Tang, C.-H.**, & Wu, Y.-M. (2020). Assessing seasonal and interannual water storage variations in Taiwan using geodetic and hydrological data. *Earth and Planetary Science Letters*, 550, 116532. [10.1016/j.epsl.2020.116532](https://doi.org/10.1016/j.epsl.2020.116532)
- Tang, C.-H.**, Barbot, S., Hsu, Y.-J., & Wu, Y.-M. (2020). Heterogeneous power-law flow with transient creep in Southern California following the 2010 El Mayor-Cucapah earthquake. *Journal of Geophysical Research: Solid Earth*, 125, e2020JB019740. [10.1029/2020JB019740](https://doi.org/10.1029/2020JB019740)
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Moore, J. D. P., & Chang, W.-L. (2019). Lower-crustal rheology and thermal gradient in the Taiwan orogenic belt illuminated by the 1999 Chi-Chi earthquake. *Science Advances*, 5, eaav3287. [10.1126/sciadv.aav3287](https://doi.org/10.1126/sciadv.aav3287)
- Hsu, Y.-J., Lai, Y.-R., You, R.-J., Chen, H.-Y., Teng, L. S., Tsai, Y.-C., **Tang, C.-H.**, & Su, H.-H. (2018). Detecting rock uplift across southern Taiwan mountain belt by integrated GPS and leveling data. *Tectonophysics*, 744, 275-284. [10.1016/j.tecto.2018.07.012](https://doi.org/10.1016/j.tecto.2018.07.012)
- Moore, J. D. P., Yu, H., **Tang, C.-H.**, Wang, T., Barbot, S., Peng, D., Masuti, S., Dauwels, J., Hsu, Y.-J., Lambert, V., Nanjundiah, P., Wei, S., Lindsey, E., Feng, L., & Shibasaki, B. (2017). Imaging the distribution of transient viscosity after the 2016 M<sub>w</sub> 7.1 Kumamoto earthquake. *Science*, 356, 163-167. [10.1126/science.aal3422](https://doi.org/10.1126/science.aal3422)

## Public Presentations

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- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., & Wu, Y.-M. (2021), Probing rheological properties of the lithosphere over seismic cycles from geodesy (oral), *NTUGEO 42nd Youth Forum*, Taipei, Taiwan
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Moore, J. D. P., & Chang, W.-L. (2019), Lower-crustal rheology and thermal gradient in the Taiwan orogenic belt revealed by the 14 years of postseismic transients following the 1999  $M_w$  7.6 Chi-Chi earthquake (poster), *AGU Fall Meeting*, San Francisco, CA, USA
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Moore, J. D. P., & Chang, W.-L. (2019), Lower-crustal rheology in the Taiwan orogen revealed by the postseismic transients following the 1999 Chi-Chi earthquake (oral), *International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi earthquake*, Taipei, Taiwan
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Moore, J. D. P., & Chang, W.-L. (2018), Lower-crustal rheology and thermal gradient in the Taiwan orogen illuminated by the 1999 Chi-Chi earthquake (poster), *SCEC Annual Meeting*, Palm Springs, CA, USA
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Moore, J. D. P., & Chang, W.-L. (2018), Lower-crustal rheology and thermal gradient in the Taiwan orogen illuminated by the 1999 Chi-Chi earthquake (poster), *AOGS 15th Annual Meeting*, Honolulu, HI, USA
- Tang, C.-H.** & Hsu, Y.-J. (2017), Seismogenic structure in southwestern Taiwan revealed by the 2010 Jiashian and 2016 Meinong earthquakes (oral and poster), *CGS Annual Meeting*, Tainan, Taiwan
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Chang, W.-L., & Moore, J. D. P. (2016), Afterslip and power-law flow in the crust following the 1999  $M_w$  7.6 Chi-Chi, Taiwan earthquake (poster), *AGU Fall Meeting*, San Francisco, CA, USA
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., Chang, W.-L., & Moore, J. D. P. (2016), Deformation in the lower crust of Taiwan from a decadal of postseismic GPS data of the 1999 Chi-Chi earthquake (poster), *TEC Annual Meeting*, Hualien, Taiwan
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., & Chang, W.-L. (2015), Postseismic deformation of the 1999  $M_w$  7.6 Chi-Chi, Taiwan earthquake (poster), *CGS Annual Meeting*, Taipei, Taiwan
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., & Chang, W.-L. (2015), Postseismic deformation of the 1999 Chi-Chi, Taiwan earthquake (poster), *EGU General Assembly*, Vienna, Austria
- Tang, C.-H.**, Hsu, Y.-J., Barbot, S., & Chang, W.-L. (2014), Postseismic deformation of the 1999 Chi-Chi earthquake (poster), *GEEA: International Conference and 7th Taiwan-France Symposium in Earth Science*, Hualien, Taiwan
- Tang, C.-H.**, Ding, S.-T., & Chang, W.-L. (2013), Surface deformation and seismic potential in Sanyi-Puli region from geodetic and earthquakes data (poster), *TGA Meeting*, Taoyuan, Taiwan