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Research interest : crustal deformation, seismology, natural hazards

[Education]

2011 PhD in Geophysics, Institut de Physique du Globe de Paris, France

2007 M.S in Geophysics, Institut de Physique du Globe de Paris, France

[Employment]

2018/08 – present : Assistant Research Fellow, Institute of Earth Sciences, Academia Sinica, Taiwan

2016/01 – 2018/07 Postdoctoral Research Fellow, Institute of Earth Sciences, Academia Sinica, Taiwan

2014/01 – 2015/12 Distinguished Postdoctoral Fellow, Institute of Earth Sciences, Academia Sinica, Taiwan

[Publications] (*corresponding author)

11. **Canitano, A.***, M. Godano and M. Y. Thomas, Inherited state of stress as a key factor controlling slip and slip mode : inference from the study of a slow slip event in the Longitudinal Valley, Taiwan, *Geophys. Res. Lett.*, doi :10.1029/2020GL090278, 2021.
10. **Canitano, A.***, Observation and theory of strain-infrasound coupling during ground-coupled infrasound generated by Rayleigh waves in the Longitudinal Valley (Taiwan), *Bull. Seismol. Soc. Am.*, 110(6), 2991-3003, 2020.
9. **Canitano, A.***, H. Gonzalez-Huizar, Y. J. Hsu, H. M. Lee, A. T. Linde and S. Sacks, Testing the influence of static and dynamic stress perturbations on the occurrence of a shallow, slow slip event in eastern Taiwan, *J. Geophys. Res. Solid Earth*, 124, doi:10.1029/2018JB016742, 2019.
8. **Canitano, A.***, Y. J. Hsu, H. M. Lee, A. T. Linde and S. Sacks, Calibration for the shear strain of 3-component borehole strainmeters in eastern Taiwan through Earth and ocean tidal waveform modeling, *J. Geodesy*, 92(3), 223-240, 2018.
7. **Canitano, A.***, M. Godano, Y. J. Hsu, H. M. Lee, A. T. Linde and S. Sacks, Seismicity controlled by a frictional afterslip during a small magnitude seismic sequence (ML < 5) on the Chihshang Fault, Taiwan, *J. Geophys. Res. Solid Earth*, 123(2), 2003-2018, 2018.
6. Mouyen, M.*, **A. Canitano**, B. F. Chao, Y. J. Hsu, P. Steer, L. Longuevergne and J. P. Boy, Typhoon-induced ground deformation, *Geophys. Res. Lett.*, 44(21), 11,004-11,011, 2017.
5. **Canitano, A.***, P. Bernard and S. Allgeyer, Observation and modeling of the seismic seiches triggered in the Gulf of Corinth (Greece) by the 2011 Mw 9.0 Tohoku earthquake, *J. Geodyn.*, 109, 24-31, 2017.
4. **Canitano, A.***, Y. J. Hsu, H. M. Lee, A. T. Linde and S. Sacks, A first modeling of dynamic and static crustal strain field from near-field dilatation measurements : example of the 2013 Mw 6.2 Ruisui earthquake, Taiwan, *J. Geodesy*, 91(1), 1-8, 2017.
3. **Canitano, A.***, Y. J. Hsu, H. M. Lee, A. T. Linde and S. Sacks, Near-field strain observations of the October 2013 Ruisui, Taiwan, earthquake : source parameters and limits of very-short term strain detection, *Earth Planets Space*, 67 :125, doi :10.1186/s40623-015-0284-1, 2015.
2. **Canitano, A.***, P. Bernard, A. T. Linde, S. Sacks and F. Boudin, Correcting high-resolution borehole strainmeter data from complex external influences and partial-solid coupling : the case of Trizonia, rift of Corinth (Greece), *Pure Appl. Geophys.*, 171(8), 1759-1790, 2014.
1. **Canitano, A.***, P. Bernard, A. T. Linde and S. Sacks, Analysis of signals of a borehole strainmeter in the western rift of Corinth, Greece, *J. Geod. Sci.*, 3(1), 63-76, 2013.