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Research interest: Observatory Seismology, Science of slow earthquakes

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[Academic Record]

B. Sc. Nation Hualien teachers college, Hualien, Taiwan, **2000-2004**

Graduated in History and Geography Group, Social Science Education Department

M. Sc. Course (uncompleted) in Taiwan and Regional Studies Department, Nation Hualien teachers college, Hualien, Taiwan, **2004-2005**

M. Sc. in Geosciences Department, Nation Taiwan University, Taipei, Taiwan, **2005-2008**

Master thesis: " T-waves generation around the coast of Taiwan"

Ph. D. in Natural History Science Department, Hokkaido University, Hokkaido, Japan, **2014-2018**

Ph. D. thesis: "Geodetic and seismological study of slow earthquakes and inter-plate coupling in the Ryukyu subduction zone"

[**Academia Experience**]

Research assistant, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan, **2008-2013**

- Very low frequency earthquakes alone Ryukyu trench, 2008-2011
- Seafloor geodetic survey on offshore of Taiwan, 2010-2013
- Tsunami studies on the east coast of Taiwan, 2011-2013
- Investigations of tsunami sediments on Ishigaki Island, 2011-2013
- Foraminifera distribution within tsunami sediments, 2011-2013

Teaching assistant, School of science, Hokkaido University, Sapporo, Japan, **2014-2016**

- Lecture of Geophysics, 2014-2015
- Lecture of Frontier of earth science, 2015-2017

[Honors and Awards]

- Champion, Geosciences graduate students forum, Nation Taiwan University, 2007

[Academia Society]

- Japan Geoscience Union (JPGU)
- American Geophysical Union (AGU)
- Seismological Society of Japan (SSJ)

[Language Certificate]

- Japan Language Proficiency Test (JLPT), Level 4(Level N5), 2005/12
- Japan Language Proficiency Test (JLPT), Level N4, 2012/12
- Japan Language Proficiency Test (JLPT), Level N3, 2012/12
- Japan Language Proficiency Test (JLPT), Level N2, 2013/07
- The General English Proficiency Test (GEPT), Elementary, 2010/09

[Papers]

1. Ando, M., **Y. Tu,** H. Kumagai, Y. Yamanaka, and C.H. Lin (2012), Vey low frequency earthquakes along the Ryukyu subduction zone, *Geophys. Res. Lett,* 39, L04303, Doi:10.1029/2011GL050559
2. Ando, M., M. Ishida, Y. Hayashi, C. Mizuki, Y. Nishikawa, and **Y. Tu** (2013), Interviewing insights regarding the fatalities inflicted by the 2011 Great East Japan Earthquake, *Natural Hazard and Earth System Sciences*, 13, 9, p1273-2187
3. Ando, M., **Y. Tu**, and Cheng-Hong Lin (2015), Generation-to-generation transmitted tsunami-like wave sightings along the east coast of Taiwan, *Terr. Atmos. Ocean. Sci.*, 26, p355-359, doi: 103319/TAO.2015.03.03.01(T)
4. Lin, C.H., C.C. Jan, H.C. Pu, **Y. Tu**, C.C. Chen, and Y. M. Wu (2015), Landslide Seismic Magnitude, *Earth and Planetary Science Letters*, Vol. 429, p122-127, doi: 10.1016/j.epsl.2015.07.068
5. **Tu, Y**. and K. Heki (2017), Decadal modulation of repeating slow slip event activity in the southwestern Ryukyu Arc possibly driven by rifting episodes at the Okinawa Trough, *Geophys. Res. Lett.*, 44, 9308-9313, doi: 10.1002/2017GL074455
6. Ando, M., A. Kitamura, **Y. Tu**, Y. Ohashi, T. Imai, M. Nakamura, R. Ikuta, Y. Miyairi, Y. Yokoyama, and M. Shishikura (2018), Source of high tsunamis along the southernmost Ryukyu trench inferred from tsunami stratigraphy, *Tectonophysics,* 722, 265-276, doi:10.1016/j.tecto.2017.11.007.
7. Chen, H.-Y., R. Ikuta, C.-H. Lin, Y.-J. Hsu, T. Kohmi, C.-C. Wang, S.-B. Yu, **Y. Tu**, T. Tsujii, and M. Ando (2018), Back-arc opening in the western end of the Okinawa Trough revealed from GNSS/Acoustic measurements, *Geophys. Res. Lett,* 45, 137-145, doi:10.1002/2017GL075724
8. Kano, M., N. Aso, T. Matsuzawa, S. Ide, S. Annoura, R. Arai… **Y. Tu,** N. Uchida, Y. Yamashita, and K. Obara (2018), Development of a Slow Earthquake Database, *Seismological Research Letters*, 89 (4), 1566-1575, doi:10.1785/0220180021