

Chen-Ray Lin

Senior Student - National Central University

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RESEARCH INTERESTS

Seismology, Geophysics, Geodynamics

GPA

3.96/4.0

EDUCATION

National Central University (NCU)

Candidate for Master of Science, major in Earth Science

Sep. 2019 - Present

• Research Assistant, advisor: **Kuo-Fong Ma, Yen-Yu Lin**

National Central University (NCU)

Bachelor of Science, major in Earth Science

Sep. 2015 - Jun. 2019

EXPERIENCES

Institute of Earth Sciences | Academic Sinica, Taiwan

Jul. 2018 - Aug. 2018

Intern, Host Researcher: **Ban-Yuan Kuo**

Project: Sub-slab anisotropy beneath the Tonga subduction zone from source-side shear wave splitting

Institute of Earth Sciences | Academic Sinica, Taiwan

Jul. 2017 - Aug. 2017

Intern, Host Researcher: **Eh Tan**

Project: Tectonic Parameters Affecting the Location of Partial Melting in Subduction Zone

EPSL | National Central University, Taiwan

Nov. 2018 - Jun. 2019

Undergraduate Student, Advisor: **Kuo-Fong Ma, Yen-Yu Lin**

- ❖ Coulomb stress change of multiple segment fault rupture
- ❖ Establishing the transfer function of the site amplification using the borehole seismometer
- ❖ Data processing of the Taiwan Chelungpu-fault Drilling Project (TCDP)

Earthquake Research Institute | The university of Tokyo (UT), Japan

Jun. 2019 - Jul. 2019

Intern, Host Researcher: **Naoshi HIRATA**

Project: The Probability of rupture of multiple fault segments in Taiwan

COMPUTER SKILLS

- C shell, Fortran, C language
- Python, Matlab
- HTML, CSS, JavaScript
- MapInfo, QGIS, ArcGIS, GMT

PUBLICATIONS

- Chia-Yen Lin, **Chen-Ray Lin**, Chih-Chin Lee, Tan Eh, 2017. Tectonic Parameters Affecting the Location of Partial Melting in Subduction Zone (Poster)
- **Chen-Ray Lin** and Ban-Yuan Kuo, 2018. Sub-slab anisotropy beneath the Tonga subduction zone from source-side shear wave splitting (Poster)

HONORS / AWARDS

The Phi Tau Phi Scholastic Honorary Member	2019
Dean's Award of College of Earth Science, National Central University	2019
Academic scholarship from Chinese Taipei Geophysical Society	2019
Advanced Award, Academia Sinica (Taiwan)	2017

LANGUAGES

Chinese (native)

English (intermediate)
