

YUCHENG LIN

Durham University, Lower Mountjoy, South Rd, Durham, DH1 3LE, UK

✉ yucheng.lin@durham.ac.uk yc-lin.com github.com/yc-lin-geo

Education

Durham University

Doctor of Philosophy in Physical Geography

Supervisors: Pippa L. Whitehouse and Sarah A. Woodroffe

Sep. 2019 – Present

Durham, UK

Australian National University

Master of Earth Sciences (Advanced) with Commendation

Supervisor: Anthony Purcell

Aug. 2017 – Jun. 2019

Canberra, Australia

Chang'an University

Bachelor of Resource Exploration Engineering

Supervisor: Huixia Chao

Sep. 2013 – Aug. 2017

Xi'an, China

Research Interests

My current research focuses on constraining ice sheets contribute to global sea-level change from past to future. To achieve this I use physical and statistical based models constrained by empirical evidences spanning from a variety of geological records to geodetic observations.

Awards

AGU Outstanding Student Presentation Award	2021
University College Senior Common Room Support Funding	2021
Durham University Geography Department Postgraduate Funding	2020
Durham University-China Scholarship Council Joint Scholarship	2019 - 2023
SCAR Early Career Scientist Travel Grant	2019
Chang'an University Academic Scholarship	2016

Publications

Lin, Y., Hibbert, F.D., Whitehouse, P.L., Woodroffe, S.A., Purcell, A., Shennan, I. and Bradley, S.L., 2021. A reconciled solution of Meltwater Pulse 1A sources using sea-level fingerprinting. *Nature communications*, 2021.

(Highlighted by [Durham University Research News](#))

Teaching Experience

- GEOG1081 Physical Geography 2020, 2021
- GEOG1251 Understanding Earth's Principles 2020
- GEOG2661 Climate Change: Geographical Perspectives 2020
- GEOG2571 Reconstructing Environmental Change 2021
- GEOG3191 Sea-Level Change and Coastal Evolution 2020

Relevant Courses and Training

EGU data curation and management workshop - Institut de Physique du Globe de Paris, France	Nov. 2019
Glacial isostatic adjustment training school - Lantmäteriet, Sweden	Aug. 2019

Technical Skills

Programming Languages: Python, Matlab, R, Linux Shell, Fortran 95

Modelling Skills: Glacial isostatic adjustment modelling, Bayesian statistical modelling, Machine learning

Software Package: QGIS, Google Earth, Blender (for Scientific Visualization), Adobe Illustrator, Microsoft Office

Frameworks: Github, WordPress

Languages: English (fluent), Mandarin Chinese (native), Hokkien (fluent)

Industry Experiences

Director Assistant | *Fujian Global Mining Industry Co., Ltd* **Nov. 2017 - Jan. 2018**

- Supervised the production line of hydrofluoric acid, including daily examination of instruments wastage extent, raw material inspection (e.g., fluorite and concentrated sulfuric acid).
- Participated in decision-making for the fluorite exploration line and method in Shaxian area, supervised the drilling projects.

Research Associate | *Fujian Surveying and Mapping Institute* **Mar. 2017 - Jun. 2017**

- **Project title:** Regional geological mineralization survey on Yiyuan Cu-Au deposit in Fujian Province. Supervised by Dr Zilong Wu.
- Implemented for the Government of Fujian Province, in collaboration with the Chang'an University as a part of a graduate project.
- Result of this project is published in the report '2016 -2020 Overall Planning of Mineral Resources in Fujian Province' by Fujian Provincial Department of Natural Resources.

Volunteering Experiences

Student Volunteer | *AGU Fall Meeting 2020* **Dec. 2020**

- Monitoring three online Q&A sessions.
- Participating virtual exhibition hall, learning with specific product and communicating with company representatives.

Volunteer | *Durham University Volunteering Program* **Jan. 2021**

- Participating the Durham County litter picking project.