

地球構造研究室(ESLab)主要研究興趣在解析、監測、與了解多重尺度的地下構造三維幾何形貌與物理性質，包含(盲)斷層帶、火山岩漿系統、造山帶構造、與地球深部演化等主題。我們同時致力於改良與發展相關地震成像與監測的技術，切入不同的地球物理問題，研究與深入了解觀測現象與背後驅動機制的關係，特別著重在造山運動構造與自然災害防治兩方面。近期進行的主要計畫方向有：

- (1) 近即時監測地殼應力狀態與斷層行為
- (2) 解析深層慢滑移山崩坡體的構造與滑動機制
- (3) 發展與應用高解析構造成像技術

我們徵求數名研究助理，以及對(廣義的)地球構造/地震構造有興趣的學生與博士後加入我們，一起用地震學來共同探索與監測我們腳底下的世界！研究與解決各類構造活動與自然災害的關鍵問題！

研 究 室：地球構造研究室(黃信樺副研究員)

需求職稱：碩士級專任研究助理、博士後研究員、博士班/碩士班研究生等數名

需求說明：1. 具地球科學背景，或具資工/土木背景但對地球科學有興趣者

2. 積極認真、負責任、樂於接受新事物

3. 有基本英文溝通能力與程式撰寫能力(Shell, Fortran, Matlab, Python, etc.)尤佳

4. 應徵助理者需有汽車駕照，有山路駕駛經驗尤佳

工作內容：相關研究分析、演算法開發、即時資料傳輸與處理、野外測站架設與維護

起聘時間：即日起(可議)

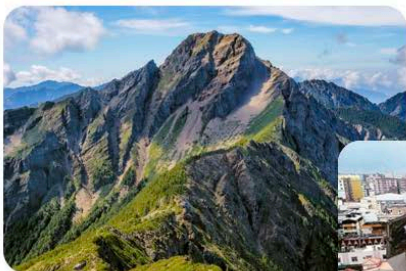
工作待遇：依原科技部之敘薪標準或更高

意者請聯絡黃信樺副研究員

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網頁：<https://sites.google.com/view/iesas-eslab/home>





**Earth structure laboratory (ESLab)** is a research group interested in exploring, imaging, and monitoring the physical properties and 3-D geometry of multi-scale Earth structures from seismogenic faults, magma reservoirs, orogenic architecture, subducting slabs to the deep Earth interior. We are also devoted to improving seismic imaging techniques with multi-dataset joint inversion and seismic interferometry methods. Through that, we develop better understanding of the phenomena observed and the mechanisms behind for various geophysical problems, particularly in aspects of orogenic tectonics and natural hazards. The recent research directions are:

- (1) Near-real-time seismic monitoring of crustal stress state and fault zone behavior in Taiwan
- (2) Deciphering the structure and mechanism of deep-seated slow-moving landslides
- (3) Development and application of high-resolution seismic imaging techniques

We are recruiting a number of research assistants, and students and postdocs who are passionate about Earth structure/Seismotectonics. Join us to use seismology to explore and monitor the world beneath our feet! To study and resolve critical problems of tectonics and natural hazards!

Research lab: Earth Structure Laboratory (Hsin-Hua Huang, Associate Research Fellow)

Position title: Research assistants, Ph.D./M.S. students, Postdocs

- Job requirements:
1. Education background on Geosciences/Computing science/Civil engineering
  2. Responsible, Positive attitude, and Strong curiosity
  3. Basic skills of English communication and programming (e.g. Shell, Fortran, Matlab, Python etc.) are preferred
  4. Driver license is required for research assistant position

Job specifications: Research analysis, algorithm development, real-time data processing, seismic network deployment and maintenance

Earliest start date: Any time (negotiable)

Salary: In accordance with or higher than MOST's standard

If you are interested in joining us, please contact Dr. Hsin-Hua Huang

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