

經濟部

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中央地質調查所特刊

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活動斷層與地震地質 專輯（一）



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序

台灣位於環太平洋地震帶上，地震活動頻繁，回顧過去三、四百年的歷史紀錄，每數十年即會發生一次災情慘重的災害性地震。而台灣地區地震發生的原因和活動斷層息息相關，因此活動斷層分布及性質的研究，對地震研究、地震災害評估和地震減災是不可或缺的資訊。

九二一地震之後，國人更加體認活動斷層調查與地震地質研究的重要性，為因應國土開發的需求，符合社會大眾的期望，本所研提「地震地質調查與活動斷層資料庫建置計畫」，陳報經濟部轉行政院國家科學委員會核定，並已於九十一年度起開始執行，預計以五年的時間調查台灣地區重要的活動斷層，調查成果將建置活動斷層資料庫，本所網頁資訊亦將配合調查資料之建置而逐步更新，即時提供社會大眾參考。同時，配合計畫的進展，為有系統彙整國內活動斷層及地震地質相關領域之研究成果，並將其刊印成冊提供學界及工程界參考利用，爰有每年定期印製「活動斷層與地震地質專輯」之議，期盼藉由專輯之定期印行，不斷累積寶貴的研究成果，加速國內地震地質相關領域的發展。

本次專輯內容包括「地震地質調查與活動斷層資料庫建置計畫」最新調查之重要成果，並廣邀國內活動斷層及地震地質界的專家學者發表個人精心研究之大作，共收錄十八篇文章，主題涵蓋野外地質調查、地球物理探勘、變動地形、斷層帶變形組構、地殼變形監測、斷層活動性、古地震研究等領域；研究區域則涵蓋新竹、新城、斗煥坪、大平地、鐵砧山、彰化、車籠埔、九芎坑、梅山、池上、等斷層。期盼這些研究成果未來能落實應用，以達到避免或減輕地震災害造成民眾生命財產損失之目標。

所長



CONTENTS

P and SH Waves Shallow Seismic Reflection Survey of the Hsincheng Fault at Eastern Hsinchu.....	.....<i>Ruey-Chyuan Shih, Wen-Shan Chen and Chii-Wen Lin</i>	1
Paleoseismologic Study of the Hsincheng Fault.....	.....<i>Wen-Shan Chen, Li-Hao Liu, Yi-Ching Yan, Hsiao-Chin Yang, Long-Sheng Lee, Neng-Ti Yu, Hui-Cheng Chang, Ruey-Chyuan Shih, Yue-Gau Chen, Yuan-Hsi Lee, Wei-Hsiung Lin, Tung-Sheng Shih and Shih-Ting Lu</i>	11
A Geomorphological Study of Hsinchu and Hsincheng Faults, Northern Taiwan.....	.....<i>Guey-San Yang and I-Chen Tsai</i>	25
A Study on the Location and Activity of the Hsincheng Fault.....	.....<i>Tung-Sheng Shih, Shih-Ting Lu, Wei-Hsiung Lin and Yuan-Hsi Lee</i>	37
Some Observations of the Touhuanping and Tapingti Faults, Northern Taiwan.....	.....<i>Chii-Wen Lin, Zhi-Yan Chen and Ruey-Chyuan Shih</i>	53
Shallow Seismic Investigation on the Touhuanping Fault.....	.....<i>Chao-Hui Hsieh, Sheng-Hsung Hsieh and Hung-Yu Wu</i>	67
Detecting the Tiehchanshan Fault by the Seismic Reflection Method.....	.....<i>Chien-Ying Wang and Hsuan-Yu Kuo</i>	77
Shallow Seismic Reflection Survey of the Changhua Fault.....	.....<i>Ruey-Chyuan Shih, Jung-Mu Hsieh and Yue-Cher Lin</i>	89
Chelungpu Fault Drilling: Deformation Fabrics in the Cores of the Fengyuan Well.....	.....<i>Jih-Hao Hung and Ching-Fei Liao</i>	99
Structural Characteristics of the Chiuchiungkeng Fault in the Shihniushi Area, Southwestern Taiwan.....	.....<i>Yen-Chiu Liu, Yen-Hui Lin, Ming-Shu Lee and Chii-Wen Lin</i>	111
Structural Characteristics of the Chiuchiungkeng Fault.....	.....<i>Wen-Shan Chen, Chi-Cheng Yang, Ruey-Chyuan Shih, Hsiao-Chin Yang, Yi-Ching Yan, Yue-Gau Chen, Hui-Cheng Chang, Wei-Hsiung Lin, Yuan-Hsi Lee, Tung-Sheng Shih and Shih-Ting Lu</i>	123
Recent Crustal Deformation of Chianan Area, Southwestern Taiwan.....	.....<i>Chin-Shyong Hou, Yue-Gau Chen, Chii-Wen Lin, Chien-Liang Chen, Jyr-Ching Hu and Jing-Suei Wang</i>	141

Structural and Paleoseismologic Studies of the Meishan Fault, Southwestern Taiwan.....	
<i>Wen-Shan Chen, Ruey-Chyuan Shih, Hsiao-Chin Yang, Chih-Cheng Yang, Ming-Guang Yeh, Long-Sheng Lee, Li-Hao Liu, Yi-Ching Yan, Qiu-Wen Peng, Hui-Cheng Chang, Yue-Gau Chen, Yuan-Hsi Lee, Wei-Hsiung Lin, Tung-Sheng Shih and Shih-Ting Lu.....</i>	149
Surface Deformation and Earthquake Potential of Tainan Tableland, Southwestern Taiwan	
<i>Ruey-Juin Rau, Kuo-En Ching, Tsung-Hsun Hsieh, Chih-I Yu, Chih-Shyong Hou, Yuan-Hsi Lee, Jyr-Ching Hu, Yu-Chang Chan, Jian-Cheng Lee and Jih-Hao Hung.....</i>	161
Recent Crustal Deformation of Kaoping Area, Southern Taiwan.....	
<i>Chin-Shyong Hou, Yue-Gau Chen, Chii-Wen Lin, Chien-Liang Chen, Jyr-Ching Hu and Jing-Suei Wang.....</i>	173
GPS Measurements of Active Structure in Pingtung Area, Southwestern Taiwan.....	
<i>Li-Chun Shen, Chih-Shyong Hou, Jyr-Ching Hu, Yu-Chang Chan, Chung Huang, Tien-Chang Lai and Chii-Wen Lin.....</i>	181
Shallow Seismic Reflection Survey of the Chihshang Fault at the Central and Southern Sections.....	
<i>Ruey-Chyuan Shih, Hung-Yuan Huang and Chii-Wen Lin.....</i>	193
Surface Deformation and Mechanisms in the Chihshang Area, Longitudinal Valley of Taiwan.....	
<i>Chung-Pai Chang, Tsui-Yu Chang, Cheng Liu, Jian-Cheng Lee, Yi-Ben Tsai, Kuo-Chang Jian, Shin-Jie Huang and Shan-Wei Wu.....</i>	203