

學生壁報比賽 Student Poster Competition

編號	壁報論文
SP- 186	186-SP-CR Spatial and Temporal Variations in the Solomon Magmatic Arc from Eocene with Implications for Subduction Polarity Reversal 芭丹(Rashmi Battan)、Truong Tai Nguyen、Sun-Lin Chung、Tsuyoshi Komiya、Shigenori Maruyama、Andrew Tien-Shun Lin、Kwan-Nang Pang、Hao-Yang Lee、Yoshiyuki Iizuka
SP- 187	187-SP-EG 台灣西部不同地質條件之集水區誘發崩塌的降雨條件分析 Analysis of landslide-inducing rainfall conditions in catchments with varied geological settings in western Taiwan 何佳芷(HE, JIA-JHIH)、陳麒文(Chen, CHI-WEN)
SP- 188	188-SP-EG Slope geological model and topographic evolution of paleo rockslide — southern section of dip slope area along the right bank of Chishan River, Kaohsiung City 莊翊琳(I-Lin Chaung)、楊哲銘(Che-Ming Yang)、黃子玟(Zhi-Syuan Huang)
SP- 189	189-SP-EM2 超含水相 B 在高溫高壓下的熱傳導率及其對地球深部水循環的影響 Thermal conductivity of Superhydrous Phase B at high pressure and temperature: implications for Earth deep water cycle 邱仁謙(Chou Jen-Chien)、謝文斌(Wen-Pin Hsieh)
SP- 190	190-SP-EM2 探討地核地函邊界物質之熱傳導率與其對地球熱演化歷史的影響 Exploring the thermal conductivity of core mantle boundary material and its influence on the thermal evolution of the Earth 張薰勻(Hsun-Yun Chang)
SP- 191	SP-ER2 臺灣地熱場地層儲存及流體流動特性 ——以大屯火山群和東部板岩帶為例 葉哲瑋(Che-Wei Yeh)、董家鈞(Jia-Jyun Dong)、阮玄辛(Xuan-Xinh Nguyen)

編號	壁報論文
SP- 192	192-SP-ER2 Illuminating basement geometry and potential geothermal reservoirs in the Ilan plain, northern Taiwan through microtremor analysis with a new dense array 康譯云(I-YUN, KANG)
SP- 193	193-SP-ER2 利用三維熱-水-力耦合數值模式評估地熱案場抽注水管理方案：以清水地熱案場簡化模型為例 高靖淵(Ching-Yuan, Kao)、王士榮(Shih-Jung, Wang)
SP- 194	194-SP-ER2 結合異質性地質模型與水-熱數值模式探討台灣宜蘭礁溪溫泉水資源管理 陳映涵(Ying-han, Chen)、王士榮(Shih-jung, Wang)
SP- 195	195-SP-ER2 關子嶺與中崙地區地下構造剖面 Subsurface Structural sections of Kuantzuling and Chunglun areas 鄭閔中(Cheng, Min-Chung)、張頌平(Chang, Sung-Ping)、魏聲焜、湯添凱、徐偉菖、楊耿明(Yang, Kenn-Ming)、陳勉銘、陸挽中、陳棋炫、許鈞傑
SP- 196	196-SP-ER3 以 TOUGH2 數值方法檢驗宜蘭平原南部裂隙主控型地熱概念模型 Using TOUGH2 to validate the fault-controlled geothermal conceptual model in south Yilan Plain, Taiwan 李家皓(Lee Chia Hao)、宋聖榮(Song, Sheng-Rong)
SP- 197	197-SP-ER3 3D Velocity Structure and Geothermal Anomalies Inferred from Noise Phase Cross-Correlation in Ilan Plain 費安妲(Fanda Fitrianditha)、Hoe-Wei Chen
SP- 198	198-SP-ER3 以同位素地球化學方法評估台灣中崙及關子嶺地熱區潛在熱水儲集層及其溫度 Estimate thermal water reservoirs and temperature of Chunglun and Guanziling geothermal systems by geochemical approaches 盧聿豐(LU YU-FENG)

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SP- 199	199-SP-ER4 臺灣西部紅樹林區域沉積物有機碳含量研究與其控制因素之探討 李錕政(Lee Si Jing)、羅立、宮若瑀、高述婕、管靜妍、楊謹瑜、許和晏、蔡維宸、陳思樵、陳惠芬
SP- 200	200-SP-ER4 考慮異質性膨潤土內氣體遷移之多相流與黏彈性力學耦合數值模擬 Numerical Simulation of Coupled Multiphase Fluid Flow and Elastic-viscous Mechanics for Gas Migration in Bentonite Considering Heterogeneous Distributions 林禹昇(Yu-Sheng Lin)、陳瑞昇(Jui-Sheng Chen)
SP- 201	201-SP-G1 透過連續 GPS 資料的經驗正交函數(EOF)分析台灣地區的同震變形 Examining the coseismic deformation in Taiwan through the Empirical Orthogonal Function (EOF) analysis on continuous GPS data 李旻(Min Lee)
SP- 202	202-SP-G1 由 InSAR 時間序列探討 2017–2021 黃石火山之地表變形 Surface Deformation of the Yellowstone Caldera from InSAR Time Series, 2017–2021 陳虹瑄(Hong-Xuan Chen)、張午龍(Wu-Lung Chang)
SP- 203	203-SP-G1 利用GPS 資料分析縱谷中段震間變形 梁乃文(Nai-Wun Liang)、陳宏宇(Horng-Yue Chen)、王昱(Yu Wang)、徐濬德(J. Bruce H. Shyu)、唐啟賢(Chi- Hsien Tang)
SP- 204	204-SP-G1 Detecting interseismic deformation in Southwestern Taiwan by using InSAR and GNSS time series 陳立學(Lishiue Chen)、莊昀叡(Ray Y. Chuang)
SP- 205	205-SP-G1 以小基線子集差分干涉合成孔徑雷達技術監測臺灣西部海岸地層下陷 Monitoring Coastal Land Subsidence in Western Taiwan by Using SBAS-InSAR Technique 李聿修(Yu-Hsiu Lee)、莊昀叡(Ray Y. Chuang)

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SP- 206	206-SP-G1 Geodetically Constrained Interseismic Deformation and Seismic Potential Along Frontal Taiwan Orogenic Belt 廖冠至(Guan-Zh Liao)、莊昀叡(Ray Y. Chuang)
SP- 207	207-SP-G1 以 SBAS方法監測雲林地層下陷區域之水平大地變形 王來政(Lai-Cheng Wang)
SP- 208	208-SP-G1 A test of detect surface displacement in fast vegetation change area by using high resolution optical image: a case study in 2022 Taitung earthquake sequence 李子昕(LEE ZI XIN)、莊昀叡(Ray Y. Chuang)
SP- 209	209-SP-G1 利用地表變形時序探討 2022 年池上地震序列之發震構造 吳柏叡(WU BO RUEI)、郭昱廷、盧志恒、童忻、陳嘉俞
SP- 210	210-SP-G1 Investigating Surface Creeping in Southern Longitudinal Valley Fault by InSAR Time Series 蔡耀萱(Tsai Yau-Hsuan)、莊昀叡(Chuang Y. Ray)
SP- 211	211-SP-G2 Land Subsidence Mapping in Jakarta Indonesia and its surrounding regions Performing Persistent Scatterer InSAR Technique Muhammad Yunus、Ruey-Juin Rau、Sung-Ping Chang
SP- 212	212-SP-G2 Reduce Ionosphere Effect On 2022 Chihshang-Guanshan Earthquake 林楷文(Kevin Lin)
SP- 213	213-SP-G2 基於集成學習與 GEE 的衛星影像土壤水分反演 Soil Moisture Retrieval with Satellite Images Based on Ensemble Learning and GEE 肖晶晶(XIAO JINGJING)
SP- 214	214-SP-G2 多光譜無人機精密監測之應用 - 以茶園為例 張景堤(CHANG,JING-TI)、郭昱廷(KUO,YU-TING)、陳嘉俞(CHEN,CHIA-YU)
SP- 215	215-SP-GM Topographic Reconstruction of Dahan River Terraces by Using Historical Aerial Images 陳佑璇

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SP- 216	216-SP-GP1 Geology structural identification through 3D Resistivity Inversion of Magnetotelluric (MT) data in the Tatun Volcano Group (TVG), Northern Taiwan 阮氏蘭芝(Nguyen Thi Lan Chi)、陳建志(Chen, Chien-Chih)、黃文正(Huang, Wen-Jeng)、顏麒書(Yen, Chi-Shu)
SP- 217	217-SP-GP1 利用福爾摩沙陣列探討臺北都會區之微震特性 Characteristics of microseism observed at the densely distributed Formosa Array in Taipei Metropolitan Area 郭濬丞(Chun-Cheng Kuo)、陳卉瑄、林正洪、賴雅娟、史旻弘
SP- 218	218-SP-GP1 Investigation of Permafrost by Using Electrical Resistivity Imaging and Ground Penetrating Radar: A Case Study in Svalbard, Norway 陳穎龍(Yin-Long Chen)、張竝瑜(Ping-Yu Chang)、嚴精明(Jordi Mahardika Puntu)、林鼎竣(Ding-Jiun Lin)
SP- 219	219-SP-GP2 開發深度學習技術的台灣變壓器地震警報模型 (TT-SAM) 及其應用 Developing a Deep Learning-Enabled Taiwan Transformer Shaking Alert Model (TT-SAM) and Its Implementation 張杰宸(Chieh-Chen Chang)、詹忠翰(Chung-Han Chan)、馬國鳳(Kuo-Fong Ma)
SP- 220	220-SP-GT 深度學習地震監測系統應用在不同地震網的地震目錄 潘勝彥(Sheng-Yan Pan)、孫維芳(Wei-Fang Sun)、黃俊銘(Chun-Ming Huang)、郭陳濔(Hao Kuo-Chen)
SP- 221	221-SP-GT 利用深度模型及 RGB-D 圖像之河床質粒徑調查 Riverbed grain size survey using deep learning model and RGB-D images 陳伯瑞(BO-RUI CHEN)、趙韋安(Wei-An Chao)
SP- 222	222-SP-GT SeisBlue AI 地震資料處理平台的技術實踐 Technical Practices in SeisBlue AI Earthquake Data Processing Platform 張以昕(I-HSIN CHANG)、黃俊銘、張立衡、管卓康、孫維芳、潘勝彥、何俊緯、劉耀宏、郭陳濔

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SP- 223	223-SP-H1 利用SWMM 模式評估低衝擊開發的減洪效益-以台中市沙鹿區為例 Assessment of the Benefit of Flood Reduction for Low-Impact Development using the Storm Water Management Model: A Case Study of Shalu District, Taichung City 許呈茂(HSU, CHENG-MAO) 、李明旭(Ming-Hsu Li)
SP- 224	224-SP-H2 A Two-Dimensional Semi-Analytical Model for Multispecies Transport Affected by Rate-Limited Sorption with Decay in Solid Phase 阮秋媛(Thu-Uyen Nguyen)
SP- 225	225-SP-H2 應用 THMC 軟件模擬含水層-滲透性反應性牆系統中的孔隙度降低 Apply THMC to simulate the porosity reduction in a porous reactive barrier aquifer system 阮氏雪欣(Nguyen Thi Tuyet Han) 、陳瑞昇(Jui-Sheng Chen)
SP- 226	226-SP-H2 Applying the three-dimensional variably saturated flow model to simulate groundwater flow in Pingtung plain by using THMC 范氏涵(Pham Thi Thanh Nhan) 、陳瑞昇(Jui-Sheng, Chen)
SP- 227	227-SP-H2 以熱示蹤劑試驗與模式評估海岸帶含水層分層流動特性 Using thermal tracer tests and numerical models to evaluate the layered flow characteristic in a coastal aquifer system 許安誼(An-Yi, HSU) 、倪春發(Chuen-Fa, Ni) 、許家毓(Chia-Yu, Hsu) 、張倚瑛(Yu-Huan, Chang)
SP- 228	228-SP-M3 利用GNSS 與 ALOS-2 InSAR 資料重現台灣西南部超快速地表變形 Revisiting ultra-rapid surface deformation in SW Taiwan using GNSS and ALOS-2 InSAR data 王奕婷(I-Ting Wang) 、景國恩(Kuo-En Ching) 、Erwan Pathier 、蕭詩涵(Shih-Han Hsiao) 、蔡佩京(Pei-Ching Tsai)

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SP- 229	<p>229-SP-M4 應用深度學習類神經網路法於地震儀與電信光纖聯合密集陣列進行嘉義地區之微震偵測與定位</p> <p>Using deep learning neural network method with combined geophone and dark fiber dense arrays for microseismic detection in the Chiayi area 李妍忻(Yen-Hsin Lee)、劉祐安(Liu, You-An)、溫士忠(Wen, Strong)、黃信樺(Huang, Hsin-Hua)、古進上(Ku, Chin-Shang)</p>
SP- 230	<p>230-SP-M4 Using distributed fiber-optic sensing for high-resolution mapping of structural characteristics of the Shanchiao Fault in Taipei metropolis 汪其璇(Wang Chi Hsuan)</p>
SP- 231	<p>231-SP-M4 Mineralogical and microstructural characteristics of active fault zone of the Milun Fault, and their implications 凌韻雅(Yung-Ya Ling)、郭力維(Li-Wei Kuo)、馬國鳳(Kuo-Fong Ma)、江沛錡(Pei-Chi Chiang)</p>
SP- 232	<p>232-SP-M4 Comprehensive Characterization of the Milun Fault Zone in Taiwan using Fiber Optic Seismographs and 2-D Finite Difference Model 林育謙(Yu-Chien Lin)、柯彥廷(Justin Yen-Ting Ko)、馬國鳳(Kuo-Fong Ma)、謝銘哲(Ming-Che Hsieh)、林欽仁 (Chin-Jen Lin)</p>
SP- 233	<p>233-SP-M5 台灣高山小河系統之氣體交換速率 Gas exchange velocity in mountain stream of Taiwan 顏語緹(Yu-Shiang Yen)、林立虹(Li-Hung Lin)、王珮玲(Pei-Ling Wang)、蔡汭芬(Jui-Fen Tsai)、陳貞年(Jhen-Nien Chen)</p>
SP- 234	<p>234-SP-M5 Exploring the Usefulness of X-Ray Computed Tomography in Lithofacies Characterization 吳妍希(Wu, Yen-Hsi)、黃致展(Huang, Jyh-Jaan)、游能悌(Yu, Neng-Ti)、顏君毅(Yen, Jiun-Yee)、齊士暉(Chyi, Shyh-Jeng)、陳佳宏(Chen, Jia-Hong)</p>
SP- 235	<p>235-SP-M5 利用化學事件地層對比解讀日本海溝的事件沉積物來源與機制 Deciphering Event Deposit Provenance and Mechanisms along the Japan Trench with Chemical Event-Stratigraphic Correlation 林均庭(Jun-Ting Lin)、黃致展(Jyh-Jaan Steven Huang)、Ken Ikehara、Michael Strasser、徐達偉(Ta-Wei Hsu)、蘇志杰(Chih-Chieh Su)</p>

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SP- 236	236-SP-NH1 運用流槽實驗建立淺層土壤崩塌閾值模型 A shallow landslide I-D threshold model by using flume test 王秉宏(Ping-Hung Wang)
SP- 237	237-SP-NH1 利用地動訊號探究野外尺度之堰塞壩溢頂潰決過程 Studying field-scale dam breach due to overtopping by using seismic signals 侯佑霖(YU LIN-HOU)、趙韋安(WEI AN-CHAO)、洪啟耀(CHI YAO-HUNG)
SP- 238	238-SP-NH1 嘉義八寶寮潛在大規模崩塌區域邊坡活動性分析 Analysis of slope activity in the potential large-scale landslide area in Babaoliao, Chiayi 林柔綺(LIN, JOU-CHI)、林冠璋、曾律瑗、魏倫璋、陳耐錦、柯建仲、林侑輝
SP- 239	239-SP-NH1 發展多相流底泥擴散模式以探討海底山崩碎屑之力學特性 葉宸豪(Yeh Cheng Hao)、張哲瀚(Chang Che Han)
SP- 240	240-SP-NH1 氣候變遷情境颱風事件誘發山崩風險評估：以曾文水庫集水區為例 Risk assessments of typhoon landslides under climate change scenarios: case studies for the Zengwen Reservoir watershed 王筱媛(Wang, Shiao-Yuan)、董家鈞(Dong, Jia-Jyun)、李明旭(Li, Ming-Hsu)、李錫堤(Lee, Chyi-Tyi)
SP- 241	241-SP-NH2 2023年2月6日規模7.8土耳其-敘利亞地震前之電離層異常現象 Ionospheric disturbances before the 6 February 2023 M7.8 Turkey-Syria earthquake 李冠佑(LEE KUAN YU)
SP- 242	242-SP-NH3 利用單站地動訊號之快速非監督式深度學習模型於辨識道路落石事件 A fast unsupervised deep learning algorithm using seismic records of a single station for roadside rockfall recognition 李仔茹(Yu-Ru Li)、趙韋安(Wei-An Chao)

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SP- 243	243-SP-O 台灣北部外海基隆海底火山區域之高解析地層構造研究 High-resolution stratigraphic structure study of the Keelung submarine volcanic area off the coast of the northern Taiwan 江侑倫(Chiang Yu Lun)
SP- 244	244-SP-O 947 南漢珠江口海嘯之模擬與還原 Simulation and Restoration of the South Han Dynasty Nanhan Pearl River Estuary Tsunami in 947
SP- 245	245-SP-O 運用多頻道反射震測資料分析 2018 年花蓮地震的海域斷層構造 Using multi-channel reflection seismic data to analyze the offshore faults of the 2018 Hualien earthquake 阮琮晏(Ruan, Cong-Yan)
SP- 246	246-SP-O 早更新世南太平洋高緯度浮游有孔蟲群集分析及古海洋學上的意義 Early Pleistocene Fauna Assemblage Analysis in High Latitude South Pacific 吳依璇(YiHsuan Wu)、羅立(Li LO)、Frank Lamy、Gisela Winckler、Carlos A. Alvarez Zarikian、Helge W. Arz、Chandranath Basak、Anieke Brombacher、Oliver M. Esper、Jesse R. Farmer、Julia Gottschalk、Lisa C. Herbert、Shinya Iwasaki、Vera J. Lawson、Lester Lembke-Jene、Elisa Malinverno、Elisabeth Michel、Jennifer L. Middleton、Simone Moretti、Christopher M. Moy、Ana Christina Ravelo、Christina R. Riesselman、Mariem Saavedra-Pellitero、Inah Seo、Raj K. Singh、Rebecca A. Smith、Alexandre L. Souza、Joseph S. Stoner、Igor M. Venancio P. de Oliveira、Sui Wan、Xiangyu Zhao
SP- 247	247-SP-O 彰雲沙脊之地層層序及構造演變研究 The stratigraphic sequence and structural evolution of Changyun Ridge. 郭馥瑄(Fu-Hsuan)

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SP- 248	248-SP-O 美岸高區的構造及成因 The structure and origin of the Vigan High off West Luzon island 蔡昫潔(Yun-Jie Tsai)、許樹坤(Shu-Kun Hsu)、蔡慶輝(Ching-Hui Tsai)、林廉凱(Lien-Kai Lin)、王秀雅(Shiou-Ya Wang)、葉一慶(Yi-Ching Yeh)
SP- 249	249-SP-S1 應用於複雜斷層系統之機率式地震危害評估：以花東縱谷為例 Probabilistic Seismic Hazard Assessment in Complex Fault Systems: Exploring the Longitudinal Valley of Taiwan 呂亭瑩(Ting-Ying Lu)、詹忠翰(Chung-Han Chan)
SP- 250	250-SP-S1 On the temporal variations of near-surface seismic structure of Taiwan and its geological inferences 陳蒼筑(Hui-Chu Chen)、龔源成(Yuancheng Gung)、李欣瑜(Hsin-Yu Lee)、陳力維(Li-Wei Chen)
SP- 251	251-SP-S1 三階段逆推探討中源地震的破裂特徵：以 2021 年 10月24日ML 6.5 宜蘭地震為例 Examining the Rupture Features of Intermediate-Depth Earthquakes by a Three-Stage Inversion: A Case Study for the 2021 ML 6.5 Yilan Earthquake 古家語(GU,JIA-YU)、黃瑞德、林瓊瑤、林采儀
SP- 252	252-SP-S1 Earthquake Detection in the Taiwan MiDAS Borehole Seismometer Array 詹京倍(Jing-Bei Chan)、林彥宇(Yen-Yu Lin)
SP- 253	253-SP-S1 Earthquake monitoring in a field laboratory in northern Hualien, Taiwan 蔡濡鴻(Ru-Hung Tsai)、林彥宇(Yen-Yu Lin)、顏銀桐(Yin-Tung Yen)
SP- 254	254-SP-S1 Exploring Velocity Pulses Generation through 3D Ground Motion Modeling in the 2016 Meinong, Taiwan Earthquake 楊詠晴(Yang, Yung-Ching)、謝銘哲(Hsieh, Ming-Che)
SP- 255	255-SP-S2 嘉義地區之場址特性探討 鄭宏源(ZHENG,HONG-YUAN)

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SP- 256	256-SP-S2 以微地動陣列與多頻道表面波震測求得 S 波速度構造 Obtaining S-wave Velocity Structure Using Microtremor Array and Multi-channel Analysis of Surface Waves 賴翔威(Lai,Hsiang-Wei)
SP- 257	257-SP-S2 探討台灣 dML 校正項與場址參數的相關性 Exploring dML Correction and Correlation with Site Parameters in Taiwan 陳欣婷(Hsin-Yu Chen)、郭俊翔(Chun-Hsiang Kuo)、顏宏元(Horng-Yuan Yen)
SP- 258	258-SP-S2 考慮破裂方向性的強地動模型(GMM)在台灣地震預警系統上的應用 翁靖婷(Chin-Ting Weng)、郭俊翔(Chun-Hsiang Kuo)
SP- 259	259-SP-S2 利用XGBoost 模型開發強地動模型與其在地震危害分析之應用 Development of a Ground Motion Model Using XGBoost and Its Implementation in Seismic Hazard Assessment 張智宇(Chih-Yu Chang)、詹忠翰(Chung-Han Chan)、高嘉謙(Jia-Cian Gao)、馬國鳳(Kuo-Fong Ma)
SP- 260	260-SP-S3 大台南地區場址效應及其與地質構造之關係 Site effect and its relationship with geological structure in Tainan 楊志揚(YANG,CHIH-YANG)、饒瑞鈞(Ruey-Juin Rau)、吳澄峰(Cheng-Feng Wu)
SP- 261	261-SP-S3 結合密集陣列與遠站的干涉波形探討南台灣噪訊分佈及其應用 Combining the interference waveforms of dense arrays and source stations to explore the ambient noise distribution and applications in southern Taiwan 楊子誠(Tzu-Cheng Yang)、陳映年(Ying-Nien Chen)、饒瑞鈞(Ruey-Juin Rau)
SP- 262	262-SP-S3 基於 SVR 模型利用氣象資料預測地表位移及振動 何其恩(Chi-En Ho)、陳卉瑄(Kate Huihsuan Chen)、黃婉如(Wan-Ru Huang)、陳翔瀚(Hsiang-Han Chen)、王科植 (Ko-Chih Wang)、景國恩(Kuo-En Ching)、彭葦(Wei Peng)

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