

5/16

星期一(Monday)

上午(A.M)

大會
資訊

5 / 16 (MON.)

5 / 17 (TUE.)

5 / 18 (WED.)

5 / 19 (THU.)

5 / 20 (FRI.)

壁報
POSTER

2016 年臺灣地球科學聯合學術研討會 大會開幕式
2016 Taiwan Geosciences Assembly Opening Ceremony

0900-1200

Room 401

0800-0900	報到	
0900-0910	大會開幕致詞	
0910-0955	貴賓專題演講	魏國彥署長 (行政院環境保護署) “地球科學如何應用於環境保護”
1005-1050	貴賓專題演講	Prof. Bin Wang (University of Hawaii) “Global monsoon changes arising from external forcing and internal variability”
1050-1100	大會開幕式禮成	
1100-1200	中華民國地球科學學會 2016 年第十屆第三次會員大會	

大會開幕式貴賓專題演講



魏國彥 署長
行政院環境保護署

講題：地球科學如何應用於環境保護



Prof. Bin Wang
University of Hawaii

講題：Global monsoon changes arising from external forcing and internal variability

Session GIST1

衛星科學
Satellite Sciences
主持人:林建宏副教授

0820-1005**Room 402a**

0820-0835	GIST1-1A-01	福爾摩沙衛星科學應用 劉正彥 Jann-Yenq Liu
0835-0850	GIST1-1A-02	Zonal Mean Temperature and Stationary Planetary Wave Amplitudes: EOF Analysis of FormoSat-3/COSMIC RO Data, 2007 – 2013 Cornelius Csar Jude H. Salinas
0850-0905	Invited GIST1-1A-03	Quantifying Ionospheric Local Time and Longitudinal Variability Using Frequency / Wavenumber Analysis of FORMOSAT-3/COSMIC Observations 張起維 Loren Chang
0905-0920	GIST1-1A-04	利用 FORMOSAT-3 / COSMIC 衛星與流星雷達研究低電離層散塊 E 層 蘇清論 Ching-Lun Su
0920-0935	GIST1-1A-05	高空大氣閃電影像儀(ISUAL)科學資料提升與應用 莊嘉文 Jia Wen Zhuang
0935-0950	Invited GIST1-1A-06	Degradation of the ISUAL Imager and the far-ultraviolet channel and their implications to the ISUAL data 蘇漢宗 Han-Tzong Su
0950-1005	GIST1-1A-07	Observations of storm cases by ISUAL multiple spectrophotometers 談永頤 Sunny W. Y. Tam

Session GIST1

衛星科學
Satellite Sciences
主持人:張起維副教授

1030-1215**Room 402a**

1030-1045	Invited GIST1-1A-08	福衛二、三號聯合觀測電離層氣候、電漿擾動 林建宏 Chien-Hung Lin
1045-1100	Invited GIST1-1A-09	Global temperature trends from the FORMOSAT-3/COSMIC observations during the period 2006-2015 王國英 Kuo-Ying Wang

1100-1115	GIST1-1A-10	Development of A Space Weather Instrument Payload NCU-SWIP As One Source to Verify The Scientific Data of FORMOSAT-5 and FORMOSAT-7 葉則亮 Tse-Lian Yeh
1115-1130	GIST1-1A-11	Load Balanced Model of Hybrid Parallel Computing for Satellite SAR Image Processing 孫傳禮 Chun Li Sun
1130-1145	GIST1-1A-12	Improving Spatial Resolution of RO Sounding for the Application on Regional NWP 劉千義 Chian-Yi Liu
1145-1200	GIST1-1A-13	A new correcting method for ionospheric effect in stratosphere from the FORMOSAT-3 黃成勇 Cheng-Yung Huang
1200-1215	GIST1-1A-14	電離層 Abel 反演電子密度與資料同化之比較 蔡和芳 Ho-Fang Tsai
1215-1230	GIST1-1A-15	Experimental Verification of Bipod Flexures for a Scaledown Remote Sensing Instrument Mirror 詹佳諺 Chia-Yen Chan

Session GE

橋接地球科學教育研究與教學實踐 Bridging the gap between research and practice in earth science education

1000-1200

Room 402b

0930-0950	報到	
0950-1000	Opening Ceremony	
1000-1030	Invited speeches	內隱測量輔助(地球科學)學習 葉庭光教授(台師大海環所)
1030-1100	Invited speeches	眼球追蹤研究對 e-learning 教學設計的啟示 楊芳瑩教授(台師大科教所)
1100-1200	Keynote speech	科技導入課綱為本的課程發展 許瑛珺教授(台師大科教所)
1200-1300	午餐	

Session SA1

2016 年太空科學研討會 - 太空電漿物理議題 2016 Space Science Workshop – Space Plasma Physics Session(I) 主持人:楊雅惠

0900-1200

Room 403

0900-0915	SA1-1A-01	Sunspot Properties for Flare Productivity 楊雅惠
0915-0930	SA1-1A-02	Examining the forces and kinematics of coronal mass ejections in the interplanetary space 林佳賢

0930-0945	SA1-1A-03	Intermittency Analysis and Spatial Dependence of Magnetic Field Disturbances in the Fast Solar Wind 談永頤
0945-1000	SA1-1A-04	Investigating the surface brightness profiles, ejected mass and speed from the outburst events of comet 67P/Churyumov-Gerasmenko 林忠義
1000-1015	SA1-1A-05	探索地球輻射帶-ERG 衛星計畫 張滋芳
1015-1030	Coffee Break	
1030-1045	SA1-1A-06	合唱波之持續時間的地方時分布 許志滋
1045-1100	SA1-1A-07	地球磁尾區電子之磁力線非均向性 汪愷悌
1100-1115	SA1-1A-08	徑向行星際磁場下之磁層頂擴張現象 朴鍾善
1115-1130	SA1-1A-09	Large-scale distortions at magnetospheric boundaries 狄米奇
1130-1145	SA1-1A-10	A Study of the Earth's Magnetopause Thickness 李先明
1145-1200	SA1-1A-11	Grad-Shafranov reconstruction of the two-dimensional magnetopause structure 陳冠文
1200-1330	Lunch break	

Session A2 A5

第十屆全國大氣科學研討會
邊界層與局部環流、掩星技術
主持人:鄭芳怡

0900-1200

Room 503

0900-1030	報到 & 配合 TGA 開幕式	
1030-1045	A2-1A-01	兩個暖季特殊歐胡島局部雷雨個案的分析與模擬 陳宇能
1045-1100	A2-1A-02	松山機場氣壓跳動與低空風切之觀測分析研究 蒲金標
1100-1115	A2-1A-03	土壤水分在降雨事件後之空間變異及其在激發對流扮演之角色 徐辛
1115-1130	A2-1A-04	2010 年~2014 年台灣地區大氣探空剖面特徵分析 呂佳穎
1130-1145	A5-1A-01	Impacts of GPS Radio Occultation Data on Prediction of Typhoons Megi and Haiyan using WRF 3DVAR/EnKF Hybrid 黃清勇

1145-1200 A5-1A-02 [The impact of GPS RO data on prediction of cyclogenesis:observation operators](#)
陳舒雅

1200-1330 午餐

Session A4

第十屆全國大氣科學研討會
中尺度數值模擬
主持人:楊明仁

0900-1200

Room 504a

0900-1030 報到 & 配合 TGA 開幕式

1030-1045 A4-1A-01 [The Lagrangian evolution on water budget and precipitation efficiency of squall-line systems as interacting with terrain](#)
楊明仁

1045-1100 A4-1A-02 [Impact of an improved WRF-urban canopy model on diurnal air temperature simulation over northern Taiwan](#)
林傳堯

1100-1115 A4-1A-03 [The characteristics of the probability matched mean QPF product](#)
蘇奕叡

1115-1130 A4-1A-04 [應用 decaying average 方法修正 WRF 模式在台灣地區地面溫度預報](#)
陳怡儒

1130-1145 A4-1A-05 [A study of summer leeside rainfall maxima over the Islands of Hawai'i and Oahu](#)
黃郁芬

1145-1200 A4-1A-06 [區域系集預報系統強化研究：介接系集調整卡爾曼濾波系統資料](#)
李志昕

1200-1330 午餐

Session A6

第十屆全國大氣科學研討會
雷達氣象
主持人:廖宇慶

0900-1200**Room 505**

0900-1030	報到 & 配合 TGA 開幕式	
1030-1045	A6-1A-01	The application of WISSDOM in QPN and weather analysis over terrain 廖宇慶
1045-1100	A6-1A-02	Characteristics of Raindrop Size Distribution and Structure of Afternoon Thunderstorm in Taipei City 鍾吉俊
1100-1115	A6-1A-03	The impact of the ice phase microphysical process on application of a four-dimensional Variational Doppler Radar Analysis System (VDRAS) to QPN 張少凡
1115-1130	A6-1A-04	屏東平原西南季風下劇烈雷暴系統之雙偏極化雷達觀測研究 修榮光
1130-1145	A6-1A-05	The comparisons of microphysical characteristics between numerical model simulation and dual-polarimetric radar observation 張偉裕
1145-1200	A10-1A-01	金門地區氣膠吸濕特性之探討 黃任廷

5/16**星期一(Monday)****下午(P.M)****Session GIST2**

衛星接收站與遙感探測服務
Remote Sensing Services of Satellite Ground
Receiving Station in NCU
 主持人:張中白教授

1330-1500**Room 402a**

1330-1345	GIST2-1B-01	Modeling the flood risk with Landsat imagery in Tainan City, Southern Taiwan 姜壽浩 Shou-Hao Chiang
1345-1400	GIST2-1B-02	Pléiades Satellite Image Processing and Application 張立兩 LI-YU CHANG
1400-1415	GIST2-1B-03	Open Data Service for Multi-temporal SPOT Images 林欣穎 Hsin-Yin Lin
1415-1430	GIST2-1B-04	Processing and Application of TerraSAR-X images 王維稷 Wei-Ji Wang
1430-1445	GIST2-1B-05	Feasibility Study and Preliminary Test of the NCU UHF/VHF Ground Station for DWTS CubeSat Mission Telecommunications 賴日勤 Jih-Chin Lai
1445-1500	GIST2-1B-06	Exploring geothermal and volcanic activity using Landsat imagery in Tatun Volcanic Group, Taiwan 詹海柏 Hai-Po Chan

Session GIST3

福爾摩沙衛星國際服務
International Services of FORMOSAT
 主持人:陳明智研究員

1530-1700**Room 402a**

1530-1540	Introduction	陳明智 Ming-Chih Cheng
1540-1600	GIST3-1B-01	The contributions of FORMOSAT-2 on International Disaster Rescue 劉小菁 Cynthia Liu
1600-1620	GIST3-1B-02	The Accomplishment of Taiwan Cooperative Program on the RS/GIS Development and Capacity Building in Central America 陳繼藩 Chi-Farn Chen
1620-1640	GIST3-1B-03	The Collaboration of Formosat Satellite Imagery

1640-1700	GIST3-1B-04	and Crowdsourcing 莊國煜 Slayer Chuang Overlook of FORMOSAT Images involvement on International Forest Monitoring 邱祈榮 Chyi-Rong Chiou
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Session GE

橋接地球科學教育研究與教學實踐
Bridging the gap between research and practice in earth science education

1300-1630**Room 402b**

1300-1400	School in the cloud (雲端學校)	雲端的地震學校 Earthquake school in the cloud? 陳卉瑄教授 (台師大地科系)
1400-1500	Workshop (工作坊)	互動科技在地球科學教育的應用與實務 劉為開博士(台師大科教中心)
1500-1520	中場休息	
1520-1545	GE-1B-01	全球地質一體化 李錦發
1545-1610	GE-1B-02	地質知識的圖像行銷 紀權宵
1610-1630	GE-1B-03	遺跡解謎：生痕化石的博物館展示詮釋 郭昭翎

Session SA3

2016 年太空科學研討會 – 低層/高層大氣耦合
 2016 Space Science Workshop – Lower/upper Atmospheric Coupling
 主持人:陳炳志/林建宏

1330-1445**Room 403**

1330-1345	SA3-1B-01	電離層-地殼-大氣耦合 林建宏
1345-1400	SA3-1B-02	Lightning Dynamic Model – connection between atmospheric electricity and meteorology 陳炳志
1400-1415	SA3-1B-03	巨大噴流產生的哨聲波：模式及觀測 汪愷悌
1415-1430	SA3-1B-04	南大西洋異常區的多波段光譜觀測 江致宇
1430-1445	SA3-1B-05	應用於立方衛星之電離層電子溫度密度探針 方惠寬
1445-1500	Coffee Break	

Session SA2**2016 年太空科學研討會 – 電離層/雷達探測**

2016 Space Science Workshop – Ionosphere/Radar Remote Sensing

主持人:王建亞

1500-1715**Room 403**

1500-1515	SA2-1B-01	利用中壢特高頻雷達多頻率技術觀測之大氣精細結構和降雨 陳振雄
1515-1530	SA2-1B-02	福衛 3 號衛星與中壢特高頻雷達同時觀測散塊 E 層規則體 王建亞
1530-1545	SA2-1B-03	經驗正交函數建構福爾摩沙衛星三號電子濃度 吳剛宏
1545-1600	SA2-1B-04	福衛三號全球掩星觀測資料視覺化加值平台 蔡宗哲
1600-1615	SA2-1B-05	中壢特高頻雷達系統相位校正演算法之改良 林廷翰
1615-1630	SA2-1B-06	台灣上空電離層三公尺場列不規則體與中尺度擾動之觀測 林飛帆
1630-1645	SA2-1B-07	利用中壢特高頻雷達多頻率成像技術進行高解析度亂流及降水分 蔡世樵
1645-1700	SA2-1B-08	利用中壢特高頻雷達研究空中伽瑪雨滴粒徑的斜率與形狀參數間 陳朝信
1700-1715	SA2-1B-09	Monitoring Global Ionospheric Structures Using a Near Real-time Global Ionospheric Map 孫揚軼

Session A7**第十屆全國大氣科學研討會**

氣候分析與模擬

主持人:Tim Li

1330-1530**Room 503**

1330-1345	A7-1B-01	Preliminary Validation of the Dynamically Downscaled Regional Climate Forecast System of CWB 蕭志惠
1345-1400	A7-1B-02	Formation mechanism for 2015/16 super El Nino TIM LI
1400-1415	A7-1B-03	Interdecadal Change in South China Sea Tropical Cyclone Frequency in Association with Zonal Sea

1415-1430	A7-1B-04	Surface Temperature Gradient Richard C Y Li Impacts of vertical structure of convection on circulation change under global warming 陳昭安
1430-1445	A7-1B-05	Identifying Hotspots of Tropical Deforestation to Induce Teleconnection Patterns 陳竹君
1445-1445	A7-1B-06	臺灣地區雨量站一日暴雨量隨年代變化之分析 高裕哲
1500-1530	Coffee break	

Session A7

第十屆全國大氣科學研討會
氣候分析與模擬
主持人:洪志誠

1530-1715**Room 503**

1530-1545	A7-1B-07	Influence of Climate Regime Shift on The Interdecadal Change of Tropical Cyclone Activity over Pacific Basin during middle to late 1990s 洪志誠
1545-1600	A7-1B-08	Analysis of rainfall and large-scale circulation in 2014/15, 2015/16 boreal winter 朱容練
1600-1615	A7-1B-09	Responses of Seasonal Precipitation Intensity to Global Warming 藍嘉偉
1615-1630	A7-1B-10	Dynamical Downscaling of Regional Ensemble Climate Change Projection for Taiwan Area 鄭兆尊
1630-1645	A7-1B-11	Present simulation and future projection of typhoon activity over western North Pacific and Taiwan/East Coast of China in 20-km HiRAM Climate Model 鄒治華
1645-1700	A7-1B-12	Investigating the impact of diurnal cycle of SST on the intraseasonal and climate variability 曾琬鈴
1700-1715	A7-1B-13	Examining the tropical convection change in warming scenario 邱品峻

Session A4**第十屆全國大氣科學研討會
中尺度數值模擬
主持人:林沛練****1330-1530****Room 504a**

1330-1345	A4-1B-01	台灣系集預報成員降雨預報特性分析 林欣弘
1345-1400	A4-1B-02	Eyewall reconstruction of Typhoon Fanapi (2010) after encountering the Taiwan terrain 吳曜竹
1400-1415	A4-1B-03	雷達資料同化策略之探討 蔡雅婷
1415-1430	A4-1B-04	在初始條件中包含降雨蒸發冷卻效應對一沿岸劇烈降水個案的影響 徐綢琪
1430-1445	A4-1B-05	高解析度系集實驗於台灣風力預報表現之初步評估 蔡金成
1445-1445	A9-1B-01	大台北地區短延時強降雨統計與初步分析 于宜強
1500-1530	Coffee break	

Session A3 A10**第十屆全國大氣科學研討會
大氣遙測、大氣化學與空氣品質
主持人:林唐煌****1530-1715****Room 504a**

1530-1545	A3-1B-01	無線電掩星資料於颱風辛樂克(2008)之預報影響評估 陳文柔
1545-1600	A3-1B-02	全球降雨分布資料(GSMaP)於臺灣地區降水之應用與分析 林永慶
1600-1615	A3-1B-03	Warning Information In The Preconvection Environment From Space-borne Sounder Retrievals 吳宜靜
1615-1630	A3-1B-04	南中國海地區之高時空解析度地球同步衛星雲微物理參數反演與驗證 邱麒豪
1630-1645	A3-1B-05	同化高光譜紅外線衛星觀測資料對數值天氣預報影響 許慎哲

1645-1700	A3-1B-06	利用 GSI 3DVAR 探討海表面風場對海燕颱風模擬之影響 賴佑晟
1700-1715	A10-1B-01	桃園航空城細粒徑微粒污染事件的污染來源解析 莊銘棟

Session A10

第十屆全國大氣科學研討會 大氣化學與空氣品質 主持人:周崇光

1330-1530

Room 505

1330-1345	A10-1B-02	Measurements of Particulate and Gaseous Air Pollutants at a Subtropical Forestry Station in Taiwan Charles C K, CHOU
1345-1400	A10-1B-03	Analysis boundary layer by Lidar 陳永昌
1400-1415	A10-1B-04	Aerosol effect on the cloud and precipitation during Asian dust period over Korea 鄭運先
1415-1430	A10-1B-05	Study of long-range transport and radiative effects of biomass-burning aerosols over indochina using MERRAero 黃翔昱
1430-1445	A10-1B-06	Aerosol Optical Properties at Lulin Atmospheric Background Station in Taiwan and the Influences of Long-Range Transport of Air Pollutants 蕭大智
1445-1445	A10-1B-07	Examining water soluble materials from laboratory biomass burning experiments 李玟芊
1500-1530	Coffee break	

Session A7

第十屆全國大氣科學研討會
氣候分析與模擬
主持人:王懌琪

1530-1715**Room 505**

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|-----------|----------|--|
| 1530-1545 | A7-1B-14 | Impacts of Convective Triggering on the Diurnal Rainfall Cycle and Convective Variability
王懌琪 |
| 1545-1600 | A7-1B-15 | Long-term trends of summer precipitation in Taiwan and connection with typhoons and large-scale circulation
梁庭語 |
| 1600-1615 | A7-1B-16 | Future changes of Tropical Precipitation under Global Warming Projected by the CMIP5 Model Simulations
劉曉薇 |
| 1615-1630 | A7-1B-17 | Assessing tropical SST predictability using the EHTW model
洪浩哲 |
| 1630-1645 | A7-1B-18 | Land Surface Model Intercomparison on Subsurface Hydrological Processes
簡榮佑 |
| 1645-1700 | A7-1B-19 | Changes in Groundwater under future warming with CESM
吳文瑛 |

5/17

星期二(Tuesday)

上午(A.M)

0206 美濃地震學術研討會

主持人:李憲宗、蕭文啟

0900-1115

Room 401

- 0900-0915 0206 美濃地震「中央氣象局發布流程說明」
蕭文啟
- 0915-0930 2016/0206 美濃地震序列分析
張建興
- 0930-0945 Source complexity examined from direct observations
Yenyu Lin and Kuo-Fong Ma
- 0945-1000 The rupture characteristics of 2016 Meinong earthquake: Analysis
by teleseismic back projection technique.
簡珮如
- 1000-1030 BREAK
- 1030-1045 Numerical earthquake model of the 6 February 2016 Meinong,
Taiwan, earthquake
李憲忠
- 1045-1100 Using Palert data to investigate the role of basin effects
陳伯飛
- 1100-1115 Performance of a low-cost earthquake early warning system
(P-alert) during 2016 ML 6.4 Meinong (Taiwan) earthquake
Yih-Min Wu, Wen-Tzong Liang, Himanshu Mittal, Wei-An Chao,
Cheng-Horng Lin, Bor-Shouh Huang, and Che-Min Lin

Session GD1 測地學與活動地殼變形

Session GD4 全球導航衛星系統及多元觀測技術應用於環境監測

Environment monitoring with GNSS and other geodetic techniques

主持人: 楊名、張午龍、韓仁毓、莊昀歡

0830-1000

Room 402a

- 0830-0845 GD1/GD4-2B-01 [成功地震震後變形之時空演變](#)
莊昀歡
- 0845-0900 GD1/GD4-2B-02 利用 TCP-ISAR 進行台灣山坡地大規模崩塌
監測
陳柔妃
- 0900-0915 GD1/GD4-2B-03 [多尺度光達系統於環境監測之應用](#)
洪慶忠
- 0915-0930 GD1/GD4-2B-04 [以 GPS 訊號分析臺灣大氣可降水量之研究](#)
龐士鈞
- 0930-0945 GD1/GD4-2B-05 [Coseismic deformation of the 2016 Meinong
earthquake revealed from GNSS and InSAR](#)

大會資訊

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壁報 POSTER

0945-1000	GD1/GD4-2B-06	data 童忻 Present-day crustal deformation around the eastern part of Himalayan arc in the Shillong plateau and Nagaland area using PSInSAR technique ISLAM MD RASHEDUL
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Session GD2

地層下陷監測與地下水管理

Land subsidence (Land subsidence displacement measuring and monitoring, numerical modelling, water management strategies)

主持人:洪偉嘉、簡昭群、朱木壽

1030-1200

Room 402a

1030-1045	GD2-2A-01	應用多時域雷達干涉技術評估越南胡志明市之地表變形 阮氏春
1045-1100	GD2-2A-02	磁環分層式地層下陷監測井量測方法之研究 吳漢倫
1100-1115	GD2-2A-03	運用地質統計方法整合多重觀測資料以提升監測濁水溪沖積扇地層下陷在時空上之解析度 盧志恆、倪春發、張中白、陳怡安、顏君毅
1115-1130	GD2-2A-04	上海軟土地區深基坑降水引發地面沉降控制對策研究 黃鑫磊
1130-1145	GD2-2A-05	上海地區地下水人工回灌控制地面沉降效果分析 吳建中
1145-1200	GD2-2A-06	台灣地區構造活動誘發之地層下陷:以恆春半島之地殼變形活動為例 景國恩

Session GE

橋接地球科學教育研究與教學實踐

Bridging the gap between research and practice in earth science education

0920-1200

Room 402b

0900-0920	報到	
0920-0945	GE-2A-01	臺灣地質知識服務網絡推動之模式與效益 郭麗秋, 陳利貞, 陳政恒, 江婉綺, 李錦發
0945-1010	GE-2A-02	地質知識推廣經驗交流 王豐仁

1010-1035	GE-2A-03	地質知識推廣教具之使用—以土壤液化為例 陳政恒, 郭麗秋, 陳利貞, 江婉綺, 李錦發
1035-1100	GE-2A-04	地質環境教育：從地質知識融入地方發展開始 —以 0206 南臺灣地震輿論說明 郭麗秋, 林建緯, 呂婉瑄,
1100-1200	Workshop (工作坊)	天文教具發展與教學設計 傅學海教授(台師大地科系)
1200-1330	午餐	

Session B

生物地球化學與地質 Biogeochemistry and Geobiology 主持人：王珮玲

0830-1000

Room 402c

0830-0845	B-2A-01	Anaerobic methanotrophy in tidal wetland: Effects of electron acceptors 電子接收者對潮汐濕地中厭氧型甲烷氧化作用之影響 林立虹、游子慧、王珮玲
0845-0900	B-2A-02	Assessing the Contribution of Methane-derived Carbon to the Carbon Pools in Near-surface Sediment and Bottom Water of Marine Methane Seeps 林玉詩、郭瑞龍、王兆璋、陳信宏、洪慶章、王珮玲、林立虹、楊燦堯
0900-0915	B-2A-03	利用穩定同位素標定研究台灣西南海域之甲烷氧化菌 周希瓚
0915-0930	B-2A-04	Carbon Geochemistry of the Shallow-Water Hydrothermal System of the Kueishantao Islet, offshore NE Taiwan 林玉詩、陳鎮東、王冰潔、廖昱閔
0930-0945	B-2A-05	Preliminary study on the trophic structure of shallow water hydrothermal vent off Kueishan Island 張妮娜
0945-1000	B-2A-06	Study of Black Carbon Surface Labile Organic Matter Using Carbon and Nitrogen NEXAFS 梁碧清、翁翊哲、郭馥菁、劉振霖

Session RE2

地熱能源與溫泉
Geothermal Energy and Hot Spring
主持人：葉恩肇

1030-1200**Room 402c**

1030-1045	RE2-2A-01	Environmental Coexistence in Geothermal Development 與環境融合的地熱能源利用及開發 王守誠、李昭興、張忠誠、陳永松
1045-1100	RE2-2A-02	Application multicomponent geothermometer in the temperature of geothermal reservoir in Taiwan 應用多成份地質溫度計探討台灣的地熱儲集層溫度 江家榕、劉佳玫、郭欽慧、葉恩肇、吳恩華、宋聖榮
1100-1115	RE2-2A-03	利用亞甲基藍吸附法進行地熱系統膨潤石含量研究 范愷軍、郭泰融、劉致育、黃國璋
1115-1130	RE2-2A-04	宜蘭三星地區地下水與熱傳輸數值模式 葉俊言、邱永嘉、賈儀平、陳文福
1130-1145	RE2-2A-05	Fracture characteristics of the Jiaoshi Fault and their implication to geothermal exploration 礁溪斷層裂縫性質及其在地熱探勘上的意義 鄧屬予、郭思廷、林詩婷、李孟綸
1145-1200	RE2-2A-06	Determination of Complete Stress State at the ChingShui Geothermal Area, NE Taiwan: Clues from Natural Fracking En-Chao Yeh, Ping-Chuan Chen, Yoshitaka Hashimoto, Wei-Cheng Li, Zhi-Wei Wu, Tai-Tien Wang, Chia-Mei Liu, Yi-Chia Lu, Tzu-Tsen Shen, Shih-Ting Lin

Session T1/T4

台灣及鄰近地區地體動力
Geodynamics of Taiwan and Nearby Area
主持人：林靜怡

0830-1000**Room 403**

0830-0845	T1-2A-01	Characteristics of the Chekualin Fault in the Yanchao area, Kaohsiung City 高雄燕巢地區車瓜林斷層的活動性調查 丁權、張正男、邵昀霆、李正兆、何樹根、陳文山
0845-0900	T1-2A-02	Late Pleistocene tectono-geomorphic evolution of the southern Coastal Range in Taiwan

0900-0915	T4-2A-01	花東海岸南段地形演化與縱谷斷層活動性之關係 陳思婷、陳文山 New tectonic insights and relicts of mud diapirism in the southern Taiwan, Hengchun Peninsula Slawomir Jack Giletycz、張中白、林殿順、景國恩、J. Bruce H. Shyu
0915-0930	T4-2A-02	Exhumation of serpentized peridotite along the Longitudinal Valley Fault, eastern Taiwan 杜文斌、郭陳濤、羅仲良、許樹坤
0930-0945	T4-2A-03	The oceanic intraplate deformation of a subduction-collision transition area - an example from eastern offshore Taiwan 台灣東北外海碰撞隱沒轉換帶內的海洋地殼內部變形研究 林靜怡、許樹坤、郭陳濤、秦韶晉
0945-1000	T4-2A-04	Seismotectonics of the forearc basin off eastern Taiwan from new seismological data 王秀雅、許樹坤、秦韶晉、林靜宜

Session T2

大地構造及造山作用 Tectonics and Mountain Building 主持人：黃梓殷

1030-1200

Room 403

1030-1045	T2-2A-01	Crustal anisotropy and mountain fabrics of Taiwan revealed by ambient noise tomography 黃梓殷、郭本垣、龔源成
1045-1100	T2-2A-02	A new look at the anisotropy pattern across the Taiwan mountain belt: Evidence for a subduction-dominant process 重新檢驗台灣山脈的非均向性特徵 郭本垣、梁文宗、林逸威
1100-1115	T2-2A-03	3D ambient noise tomography across the Taiwan Strait: the structure of a magma-poor rifted margin 陳凱勳、郭陳濤、Dennis Brown、李秋生、葉卓、梁文宗、王乾盈、姚華建
1115-1130	T2-2A-04	Evolutionary model of Penghu Basin 台灣海峽西部澎湖盆地演化模式 王品棋、鄭伊雯、楊耿明、鍾智承
1130-1145	T2-2A-05	The Role of Basement-involved Normal Faults in the Most Recent Tectonics of Western Taiwan 楊耿明、饒瑞鈞、張皓雲、謝青雲、丁信修、黃旭燦、吳榮章、湯宜瑾

1145-1200	T2-2A-06	彰濱一號井岩芯的砂岩組成分析：探討造山前後的岩象變化與前陸盆地中心位置 陳文山、俞旗文、焦中輝
1200-1215	T2-2A-07	利用噪聲成像解析嘉義梅山斷層區域之三維淺層剪力波速度構造 鄭璟郁、郭陳浩、姚華建、陳凱勛

Session EG/EG1/NH1

工程地質

Engineering Geology

主持人：張國楨、林銘郎

0830-1000

Room 404

0830-0845	EG-2A-01	板岩地區邊坡穩定工程地質圖製作方法研究以田古爾溪下游為例 彭厚仁、林銘郎
0845-0900	EG-2A-02	南橫公路利稻附近邊坡崩塌影響因素探討 劉彥良、羅百喬、丁原智、王泰典
0900-0915	EG-2A-03	蘇澳粗坑溪及圳頭坑溪附近岩體變形特性探討 葉志俊、羅百喬、王泰典
0915-0930	EG1-2A-01	台 14 甲線克難關路段路基下陷影響因素探討 曹孟真、王泰典
0930-0945	EG1-2A-02	中橫公路白沙橋路段鄰近邊坡崩塌多時期影像判釋與歷程探討 羅百喬、張國楨、王泰典
0945-1000	NH1-2A-01	Application of Elastic Half-space Dislocation Model to Inverse the Deep-seated Landslide's Sliding Surface 利用彈性半空間模型反演大規模崩塌滑動面 陳奕中、許雅儒、陳柔妃、林慶偉

Session EG/EG1/NH1

山崩與土石流災害

Landslide and Debris Flow

主持人：羅立、孫荔珍

1030-1200

Room 404

1030-1045	NH1-2A-02	Towards real-time landslide monitoring using seismic methods 利用地震方法進行山崩即時監測 趙韋安
1045-1100	NH1-2A-03	The spatial-temporal characteristics of probability distribution of landslide area in Taiwan 臺灣山崩面積機率分布之時空特性 陳棋炫、王婷慧、蘇俊陽、趙韋安、陳勉銘、費立沅、蘇泰維、賴曉瑩

1100-1115	NH1-2A-04	A new progression of event-based landslide susceptibility 事件型山崩潛感的新進程 黃春銘、李錫堤
1115-1130	NH1-2A-05	Model construction, simulation and evaluation of 3D discrete element method 離散元素法三維建模方法初探 唐郁宸
1130-1145	EG1-2A-03	山岳隧道襯砌裂縫特徵化及數字化技術探討 陳奕妤
1145-1200	EG-2A-04	環境影響評估程序納入地質敏感區基地地質調查及地質安全評估報告審查實例探討 丁禕、林子凌

Session MG1/MG3

海洋地質及地球物理 Marine Geology and Geophysics 主持人：張詠斌

0830-1000

Room 501

0830-0845	MG1-2A-01	Seismic sequence stratigraphy analysis and tectonic implication of the carbonate platform, north offshore Taiping Island 太平島北部外海震測資料之層序地層學分析與其地體構造上的意義 張日新、許鶴瀚、劉家瑄、李通藝、蘇志杰、邱協棟、馬玉芳、洪浩庭、林彥均、邱千軒
0845-0900	MG1-2A-02	A study for Hydrophone and Differential pressure gauge (DPG) data analysis apply to OBS 應用在海底地震儀的水下聽音器與差動水壓計資料差異性分析 林慶仁、郭本垣、張家溥、張旭光、陳柏棋、林佑柔
0900-0915	MG1-2A-03	AVO analysis for Gas Hydrate Exploration in Lower Fangliao Basin, SW Taiwan 台灣西南海域下枋寮盆地甲烷水合物之 AVO 分析 陳浩維、Welayaturromadhona
0915-0930	MG1-2A-04	The LGM Southern Hemisphere Westerlies and upwelling in coupled model 上次冰盛期之南半球西風與海洋湧升強度 李時雨
0930-0945	MG1-2A-05	臺灣南部海域高解析度自由空間重力異常圖 張翠玉、李竺蕙、郭天俠、蘇志杰、劉家瑄、連紫猗
0945-1000	MG3-2A-01	UAV-photomapping application in reef boulders study, Dongsha Atoll

Session MG3/NH4

海域地質災害記錄與海床穩定性

Submarine Geohazard Records and Potential Seafloor Instability

主持人：蘇志杰、林靜怡

1030-1200

Room 501

1030-1045	NH4-2A-01	Characteristics and features of the submarine landslides in passive and active margin southwestern offshore Taiwan 台灣西南外海被動大陸邊緣與活動大陸邊緣海底地質災害特性 葉一慶
1045-1100	MG3-2A-02	Submarine landslides triggered by mud diapirism in the upper Kaoping Slope off southwest Taiwan 台灣西南海域上部高屏斜坡泥貫入體作用所引發的海底山崩 陳松春、許樹坤、王詠綸、蔡慶輝、葉一慶、鐘三雄、魏正岳
1100-1115	NH4-2A-02	臺灣西南海域三條海底地震儀測線震波速度構造及其在海床穩定性之意義 鄭文彬、張育萍、林靜怡、許樹坤、董家鈞、許懷後
1115-1130	NH4-2A-03	Spatial distribution of sedimentological characteristics and seafloor failure evaluation offshore SW Taiwan 臺灣西南海域沈積物分布特徵及海床破壞潛能評估 蘇志杰、徐聖婷、許懷後、林靜怡、董家鈞
1130-1145	NH4-2A-04	Characterization of H/V Spectral Ratios for the Assessment of Slope Stability Offshore SW Taiwan 利用 H/V 比值特性來分析西南外海海床穩定性研究 林靜怡、鄭文彬、秦韶晉、林筱珊、梁進維
1145-1200	MG3-2A-03	Possible triggering mechanisms of submarine sediments movements down a gentle slope 陳文瑤、楊瑞源、黃煌輝

Session GI

地質資訊技術研發與應用 Development and Applications of Information Technology in Geology

主持人：邵屏華、鄭文昕

0830-1000

Room 502

0830-0845	GI-2A-01	地質資訊系統在法制面內外之支援角色與前瞻發展 邵屏華、鄭文昕、何振原、黃佳偉、邱顯立、陳家生、呂玲慧、翁熙甯、林宗麒
0845-0900	GI-2A-02	國家地質資訊系統研發架構整體觀 邵屏華、鄭文昕、陳家生、黃佳偉、何振原、林宗麒
0900-0915	GI-2A-03	雲端化地質空間資訊供應平台之研發與應用 陳玉駕、陳家生、鄭文昕、邵屏華
0915-0930	GI-2A-04	五星級政府開放地質資料之架構研發與地質建模應用 陳家生、鄭文昕、邵屏華
0930-0945	GI-2A-05	地質調查之輔助行動裝置軟體研發應用與概況 范鎮邦、鄭文昕、陳家生、邵屏華
0945-1000	GI-2A-06	以地靈靈 APP 遊烏來 徐永忠、柯文浩、鄭文昕、邵屏華

Session GM

地形學與地質景觀 Geomorphology and Geological Landscape

主持人：謝孟龍

1030-1200

Room 502

1030-1045	GI-2A-07	「工程地質探勘資料庫」雲端資料庫之應用發展 王炫詠、鄭文昕、邵屏華、賴品妙
1045-1100	GM-2A-01	Using Multi-Temporal LiDAR DEM to determine bedrock incision rates - A case study from the Tsaoling landslide 以多時序空載光達資料探討基岩下切侵蝕速率-以草嶺地區為例 謝有忠、陳奕中、陳勉銘、詹瑜璋、胡植慶、陳柔妃、邱禎龍、陳宏仁、林樞衡、費立沅
1100-1115	GM-2A-02	古新店溪流路變遷與山腳斷層活動關係之研究 郭勝煒、楊貴三、沈淑敏
1115-1130	GM-2A-03	The evolution of fluvial terraces and its environmental significances in the Gangkou River Basin, Hengchun Peninsula 恆春半島港口流域的河階地演育及其環境變

遷意義

陳佳宏、齊士崢、何立德、任家弘、顏君毅、Christopher Lüthgens

1130-1145 GM-2A-04 [On frequency of debris flow in river terraces of southern Taiwan](#)

由厚層階地沉積層特徵 探討全新世主要災變事件頻率

林淳惠、齊士崢

1145-1200 GM-2A-05 [Prehistoric landslide records around the Water Forest area, northern Alishan mountain, central Taiwan](#)

水漾森林(溪頭、阿里山之間)的古山崩紀錄

謝孟龍、崔秀國

Session A1**第十屆全國大氣科學研討會****颱風**

主持人:吳俊傑

0900-1200**Room 503**

0900-0910	報到	
0910-1000	Keynote speech	王寶貫 中華民國氣象學會理事長/中央研究院環境變遷研究中心 特聘研究員兼主任
1030-1045	A1-2A-01	A Study on the Influences of Low-Frequency Vorticity on Tropical Cyclone Formation Based on Systematic Model Simulations 李清勝
1045-1100	A1-2A-02	Recent Decrease in Typhoon Destructive Potential and Global Warming Implications 林依依
1100-1115	A1-2A-03	環境風切引發之颱風對流不對稱研究-衛星資料分析 周昆炫
1115-1130	A1-2A-04	蘇迪勒颱風(2015)模擬研究 于宜強
1130-1145	A1-2A-05	中央氣象局 TWRP 颱風數值預報系統對西北太平洋颱風預測能力之評估與改進研究 陳得松
1145-1200	A1-2A-06	Different Circulation Patterns for Tropical Cloud Cluster Developments in the Western North Pacific 鄧旭峰

Session A8**第十屆全國大氣科學研討會
季風****主持人:盧孟明****0900-1200****Room 504a**

0900-0910	報到	
0910-1000	Keynote speech (TBD)	
1030-1045	A8-2A-01	從東亞與西北太平洋季風區年雨型變化推估台灣未來雨型變化 盧孟明
1045-1100	A8-2A-02	三維地形與輻射之交互作用對亞洲季風的影響 李威良
1100-1115	A8-2A-03	氣象局第二代二步法氣候預報系統之東亞季風預報能力評估 李清騰
1115-1130	A7-2A-01	Spatial and Temporal variation of fronts in Taiwan from 2001 to 2014 劉高源
1130-1145	A8-2A-05	2015/2016 年東亞冬季季風監測與台灣低溫事件分析 李思瑩
1145-1200	A8-2A-06	地形因素對亞洲夏季季風季節性的影響 吳奇樺

地震前兆國際研討會**2016 International Workshop on Earthquake Precursors****0855-1200****Room 504b**

0855-0905	Opening Remark Tiger Jann-Yenq Liu	
0905-0930	Earthquake Prediction in Japan: History and Prospect Seiya Uyeda	
0930-0955	Observational Earthquake Precursor Research in Taiwan and an Electric Coupling Model of Lithosphere, Atmosphere and Ionosphere Lou Lee	
0955-1015	Variations of Underlying Conductivity before the 6 February 2016 M6.4 Meinong Earthquake in Taiwan Chieh-Hung Chen	
1015-1035	Coffee break	
1035-1100	A Study on Spatial and Temporal Variations of Seismicity in Taiwan Yi-Ben Tsai	

大會資訊

5 / 16 (MON.)

5 / 17 (TUE.)

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5 / 20 (FRI.)

壁報 POSTER

1100-1115	Rebuilding of Electromagnetic Wave Detection System in VLF range: Proven for the Existence of Preseismic EM Phenomena Toshiyasu Nagao
1115-1130	On the Feasibility of Short-Term Earthquake Prediction Based on ULF Magnetic Data Peng Han
1130-1145	Prospects of Satellite Observation of Seismo-Electromagnetics in Japan Tetsuya Kodama
1145-1200	Ionospheric Earthquake Precursors on Satellite Measurement: Physical Features and Predictability Shoho Togo
1200-1320	Lunch Break

Session S1

一般地震學
General Seismology
主持人：黃梓殷

0830-1000

Room 505

0830-0845	S1-2A-01	Rayleigh-wave dispersion reveals crust-mantle decoupling beneath eastern Tibet Cédric P Legendre 、Frédéric Deschamps、趙里、陳棋福
0845-0900	S1-2A-02	The seismic activity before the mainshock in whole Taiwan 全台灣大地震之前地震活動性的研究 楊政穎
0900-0915	S1-2A-03	Precursor Times of b-value Anomalies prior to Mainshocks 王錦華 、陳國誠、呂佩玲、張建興
0915-0930	S1-2A-04	Source rupture determination and full-waveform simulation of the 1906 Meishan earthquake 1906 梅山地震之震源破裂與全波形模擬 廖怡雯 、謝銘哲、馬國鳳
0930-0945	S1-2A-05	Study the Relationship of Near Site Seismic Time-Frequency Spectral to Subsurface Cracks with Wavelet 小波分析近場址地震波時頻圖與地下裂隙之關聯 蔡慶璋 、余騰鐸、彭文飛
0945-1000	S1-2A-06	The source rupture and 3-D seismic wave simulations of the 1935 Hsinchu-Taichung Earthquake (ML7.1) 1935 年新竹-臺中大地震之震源破裂與三維波傳數值模擬 顏銘萱 、李憲忠、馬國鳳

Session S1/S2

一般地震學
General Seismology
主持人：陳映年

1030-1200

Room 505

1030-1045	S1-2A-07	Source modeling of 2013 Ruisui Earthquake Based on Empirical Green's Function Method 利用經驗格林函數法探討 2013 年瑞穗地震之震源破裂模型 陳英琪、黃蕙珠
1045-1100	S1-2A-08	Broadband Strong Motion Simulation of the February 6, 2016 Meinong, Taiwan Earthquake 2016 年美濃地震之寬頻強地動模擬 吳澄峰、黃蕙珠
1100-1115	S1-2A-09	Improvement of Offshore Earthquake Location in Earthquake Early Warning System 許忻志、陳達毅、戴一明、蒲新杰
1115-1130	S1-2A-10	Overview of the Underwater Seismic Signals Emmy T.Y. Chang, Char-shine Liu, Frauke Klingelhofer, Louis Geli, Ying-Yi Lin, Yung-Cheng Gung
1130-1145	S1-2A-11	Study the influence of neighboring fracture zone to the site directivity of slop with seismic coda waves 以地震尾波研究裂隙對邊坡場址效應方向性之影響 張哲銘、余騰鐸、彭文飛
1145-1200	S2-2A-01	Subslab seismic anisotropy in the Cocos and western Pacific subduction zones and its implications for the property of asthenosphere 科科斯隱沒帶與西太平洋隱沒帶板塊下方地幔之地震非均向性研究 彭振謙、郭本垣、陳勁吾

大會資訊

5 / 16 (MON.)

5 / 17 (TUE.)

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壁報 POSTER

5/17**星期二(Tuesday)****下午(P.M)****大會特邀專題演講****主持人：陳卉瑄****1300-1350****Room 401**

1300-1350	Keynote speech	Deciphering the Enigma of the Earth's Interior 破解地球內部之謎 林俊孚 教授 (美國德州大學奧斯汀分校 The University of Texas at Austin)
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0206 美濃地震學術研討會**主持人:景國恩、謝銘哲****1400-1630****Room 401**

1400-1415	A Preliminary Study on High Frequency Source Energy Radiation in South-Western Taiwan: Applications in 2016 Meinong earthquake 溫士忠
1415-1430	高雄美濃地震之強地動與場址特性分析 林哲民
1430-1445	Source rupture determination and ground motion simulation of the 2016-02-06 Meinong earthquake 謝銘哲
1445-1500	美濃地震地表變形與關廟地區全新世活動構造 鍾令和
1500-1530	BREAK
1530-1545	Triggered Slip Along a Shallow Structure by Meinong Earthquake Revealed by SAR Interferometry and CGPS 黃鐘
1545-1600	Source Modeling of Surface Deformation Associated with the 2016 Meinong Earthquake Gengpei Lin, Wu-Lung Chang, Chung-Pei Chang

1600-1615 0206 美濃地震之地殼形變解析
邱紀瑜

1615-1630 2016 年美濃地震震源區之間震與同震地表變形分析
景國恩

Session GD1 測地學與活動地殼變形

Session GD4 全球導航衛星系統及多元觀測技術應用於環境監測

Environment monitoring with GNSS and other geodetic techniques

主持人: 楊名、張午龍、韓仁毓、莊昀叡

1330-1500

Room 402a

1330-1345	GD1/GD4-2B-07	Preliminary precursor study of GPS observation and seismic activity: 2016 Meinong earthquake, Taiwan 蔡旻倩
1345-1400	GD1/GD4-2B-08	Earth's Normal Modes of Free Oscillation Observed in GPS Networks After the 2011 Tohoku, Japan, Earthquake 朱澄音
1400-1415	GD1/GD4-2B-09	以大地測量技術監測龍船與旗山斷層活動及其地質災害影響評估 張李群
1415-1430	GD1/GD4-2B-10	利用塊體模型及 GPS 觀測資料分析台灣的地殼變形與地震潛勢 李秋賢
1430-1445	GD1/GD4-2B-11	以 2016 年美濃地震為例探討台灣半動態框架同震位移模式之建立 景國恩
1445-1500	GD1/GD4-2B-12	應用新世代 GNSS 於高遮蔽區地表變形分析 關涵蓁

Session GD1 測地學與活動地殼變形

Session GD4 全球導航衛星系統及多元觀測技術應用於環境監測

Environment monitoring with GNSS and other geodetic techniques

主持人: 楊名、張午龍、韓仁毓、莊昀叡

1530-1700

Room 402a

1530-1600	Invited	衛星導航遙感與軌道理論研究及其產業化 許國昌
1600-1630	Invited	應用福衛三號掩星觀測資料於全球電離層閃爍效應形態研究 蔡龍治
1630-1645	GD1/GD4-2B-13	一種由 GNSS SNR 資料推衍出沿岸海水面變化的新處理程序 郭重言

1645-1700 GD1/GD4-2B-14 [利用 2000-2015 年精密水準資料推求台灣高精度垂直速度場](#)
陳國華

Session GE

橋接地球科學教育研究與教學實踐
Bridging the gap between research and practice in earth science education

主持人:莊福泰主任

1330-1630

Room 402b

1330-1530	Inquiry and practice 探究與實作課程的 發展與教學經驗分 享	地科專題領域探索 周家祥老師、萬義昇老師(台北市麗山高中) 石岡-谷關考察路線 吳秉勳老師(暨南大學附中) 柴山-旗津考察路線 陳國峯老師(高雄市鳳山高中) 冰雪奇緣-冰芯大小事 劉承珏老師(台中市台中女中) 地質塗(圖)了沒? 邱怡禎老師(台北市萬芳高中)
1530-1545	中場休息	
1545-1630	107 課綱座談會	107 課綱座談會 課綱召集人、莊福泰主任

Session RE1/RE2

地熱能源與溫泉
Geothermal Energy and Hot Spring
主持人:劉佳玫

1400-1530
402c

Room

1400-1415	RE2-2B-07	Expert Decision Support System for Geothermal Exploitation 地熱專家輔助決策系統 廖彥喆、陳敏祥、李奕亨、柳志錫、歐陽湘、何無忌
1415-1430	RE2-2B-08	Temporal and spatial variation of soil gas geochemistry in the Tatun Volcano Group, northern Taiwan 台灣北部大屯火山群土壤氣體地球化學之時空變化 溫心怡、李曉芬、魏鉉澄、王曜睿、劉聰桂、郭泰融、李奕亨
1430-1445	RE2-2B-09	Discussion on Geothermal Reservoir Conceptual Model of Area Covering Longfenggu and

Liuhuangu涵蓋硫磺谷與龍鳳谷區域之地熱儲集層模式探討

李伯亨、游明芳、郭欽慧、劉力維，范愷軍、李奕亨、柳志錫、歐陽湘、何無忌

1445-1500 RE2-2B-10

四磺子坪地熱探勘井特性初探

郭泰融、顏君揚、翁勳政、范愷軍、溫心怡、柳志錫、歐陽湘、何無忌

1500-1515 RE1-2B-01

Petrophysical and Seismic Data Analyses, Case Study of M-1 and M-2非洲 B 礦區 M-1、M-2 號井下電測石油物理與震測資料分析

伍允豪、林孝維、張資宜、傅式齊

1515-1530 RE1-2B-02

Well logs and petrophysical properties of the formation of lower Cretaceous in the D Basin, central Africa中非 D 盆地早白堊紀地層的電測及岩石物理特性

陳炳誠、楊志成、黃雲津、呂榮聰、蕭從文

Session T2**大地構造及造山作用
Tectonics and Mountain Building
主持人：郭陳澔****1400-1530****Room 403**

1400-1415 T2-2B-07

Numerical simulation of lower crust flow and the formation of Danba anticline in Sichun: Constrained by apatite fission track age下部地殼流動與四川丹巴背斜形成之數值模擬：以磷灰石核飛跡年代制約

黃承加、王維豪、李元希

1415-1430 T2-2B-08

Geochemical and zircon U-Pb dating analysis of metamagmatic rocks constraint on the formation age of Yuli belt and tectonic implication, Taiwan利用變質火成岩地球化學及鋁石鈾鉛定年探討玉里帶的地層年代及構造演化

洪嘉佳、陳文山、朱美妃、鍾孫霖

1430-1445 T2-2B-09

Pleistocene onset of Simultaneous and Rapid Exhumation in the Eastern Central Range of the Taiwan Orogenic Belt

許緯豪

1445-1500 T2-2B-10

A Major Out of Sequence Fault (Tayulin Fault) in Central Range and Its Implication to Mountain Building Process of Taiwan Orogenic Belt中央山脈的脫序斷層及其在造山過程中的涵義

- 李元希、羅偉、王維豪、Tim-Byrne、饒瑞鈞
- 1500-1515 T2-2B-11 [Detrital zircon U–Pb age characteristics of the Cretaceous–Neogene strata in Taiwan: implications for stratigraphic correlation of the undetermined-age metamorphic rocks](#)
臺灣白堊紀至新近紀沉積岩碎屑鋯石年代組成特性：
應用於未知年代的變質岩層之對比
Wen-Shan Chen, Sun-Lin Chung, Zugeerbai Zul,
Hsien-Yuan Chou, Wen-Yu Shao, Yuan-Hsi Lee
- 1515-1530 T2-2B-12 [花東縱谷中段之反射震測調查及其地體構造意涵](#)
郭陳濤、王乾盈、黃俊銘、郭炫佑

Session EG/EG1/EG2

環境與資源開發工程地質

Engineering Geology Related to Environmental and Resources Issues

主持人：俞旗文、柳志錫

1400-1530

Room 404

- 1400-1415 EG-2B-05 [Insights from analogue model of surface rupture propagation caused by oblique-slip component of fault movement](#)
利用室內砂箱試驗探討斜移斷層滑移分量引致地表破裂跡發展差異
詹佩臻、林銘郎
- 1415-1430 EG1-2B-04 [Analogue of surface deformation of cohesive material and mechanism of shallow foundation induced by strike-slip faulting](#)
模擬平移斷層錯動引致凝聚性覆土地表變形與淺基礎行為探討
翁培軒、林銘郎
- 1430-1445 EG1-2B-05 [The Interaction behavior between Thrust Faulting and 「National Highway No.3-Tianliao III bridge」 by Numerical Simulation](#)
運用數值模擬探討龍船斷層錯動引致上覆土層與「國道3號田寮三號高架橋」變形行為
李健宏、林銘郎
- 1445-1500 EG2-2B-01 [In-Situ Stress and Carbon Sequestration to Estimate of Changhua Coastal Industrial Park](#)
彰濱工業區井下現地應力分析及二氧化碳封存之評估
鄭傳立
- 1500-1515 EG2-2B-02 [New PFCs tracer monitoring methods development and demonstration for carbon dioxide sequestration. 新型全氟化物示蹤劑應用於二氧化碳封存監測方法之開發與驗證](#)
黃國璋、蔣立為、鍾權偉、廖啟雯、王家麟、徐恆文
- 1515-1530 EG2-2B-03 [Using Stochastic Porothermoelastic Theory to Investigate the Coupled THM Behavior in Buffer Material](#)

[以序率熱孔彈性模式進行緩衝材料之熱水力耦合行為分析](#)

王士榮、徐國錦

Session ST5/V2

沉積學

Sedimentology: Physical, Chemical, and Biological processes

主持人：施路易、林殿順

1400-1530

Room 501

1400-1415	ST5-2B-01	Early evolutionary history of Echinodermata based on fossil evidence: Clues from the Cambrian Explosion 從古生物埋藏學看棘皮動物的早期演化：來自寒武紀生命大爆發的線索 林日白
1415-1430	ST5-2B-02	Life and death on the continental shelf 20 Ma: the interaction between predator and prey as reflected in trace fossils 以生痕化石看大陸棚上掠食者與獵物的互動關係 Ludvig Loewemark
1430-1445	ST5-2B-03	Structural controls on the development of submarine channel/fan systems in the accretionary wedge off SW Taiwan since the Pleistocene 台灣西南外海增積岩體自更新世以來深海水道/深海扇系統演育研究 沈剛年、林殿順、林哲銓、劉家瑄、王詠詢
1445-1500	ST5-2B-04	Cold seep carbonates on acoustic seismic data vs. outcrop examples Sutieng Ho , Patrice Imbert, Jean-Philippe Blouet, Daniel Carruthers, Ludvig Lowemark
1500-1515	ST5-2B-05	Relationships between morphology and distribution of cold seep carbonates and hydrocarbon leakage style revealed through global outcrop analysis Jean-Philippe Blouet , Patrice Imbert, Sutieng Ho, Anneleen Foubert, Ludvig Löwemark
1515-1530	V2-2B-01	Controls of Stable Sr Isotopic Compositions in a Cavern River System 評估石灰岩洞河水穩定鋇同位素分化機制 劉厚均、游鎮烽、周厚云、黃國芳、鍾全雄

大會資訊

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壁報 POSTER

Session ST1

台灣的第四紀
Quaternary Research in Taiwan
主持人：陳惠芬、楊天南

1400-1530**Room 502**

1400-1415	ST1-2B-01	Holocene Maximum Flooding Surface in the Gangkou River basin, Hengchun Peninsula 恆春半島港口溪流的全新世最大海漫面範圍 陳佳宏、齊士崢、何立德、任家弘、顏君毅、Christopher Lüthgens
1415-1430	ST1-2B-02	Paleorainfall intensity inferred from an organic matter source proxy of the atomic ratio of TOC/TN 由有機物來源代用指標(TOC/TN)推衍古降雨強度 楊天南
1430-1445	ST1-2B-03	A tertiary study of Keelung-Jinshan Tsunami on tsunami origin 基隆—金山海嘯三探：海嘯成因 游能悌、顏君毅、菅原大助
1445-1500	ST1-2B-04	The Environment Changes in the Southwestern Taiwan Since the Last Glacial Maximum Epoch 末次最大冰期以來台灣西南部的環境變遷 楊詠然、陳文山
1500-1515	ST1-2B-05	Progress report of the NTUAMS Lab in 2015~2016 2015-2016 年台大加速器質譜定年實驗室進展報告 李紅春、康素貞、周春燕、駱芳琳
1515-1530	ST1-2B-06	The tectonic subsidence history since 40 ka in the western Taipei Basin 蘇品如、林殿順、胡植慶

Session A1

第十屆全國大氣科學研討會
颱風
主持人：陳宇能

1330-1530**Room 503**

1330-1345	A1-2B-01	颱風初始化的新方法對改善颱風強度、結構和路徑的研究 陳宇能
1345-1400	A1-2B-02	高空位渦正異常強弱對太平洋七~九月颱風生成位置的影響與個案分析 楊伯原
1400-1415	A1-2B-03	長生命期大外眼牆雙眼牆颱風之探討

1415-1430	A1-2B-04	楊億婷 整合性積雲參數化的發展：混成質量通量積雲參數化(HYMACS)對熱帶氣旋強度預報的應用
1430-1445	A9-2B-01	王珩 中期雲解析度颱風差時系集預報結果分析
1445-1500	A7-2B-01	陳鑫濤 The analysis of Taiwan dry-season precipitation and frontal system variations from 2001 to 2014.
1500-1530	Coffee break	蘇世顯

**第十屆全國大氣科學研討會
壁報展示**

1530-1715

Room 503

1530-1700	壁報展示
1700-1715	頒獎

Session A7

**第十屆全國大氣科學研討會
季風、氣候分析與模擬
主持人:王嘉琪**

1330-1530

Room 504a

1330-1345	A7-2B-01	Simulated Interannual Variability in DEMETER, ENSEMBLES, CFSv2, and CMIP5 王嘉琪
1345-1400	A7-2B-02	Evaluations of Terrestrial Water Storage in CMIP5 models 吳仁傑
1400-1415	A7-2B-03	Improving MJO Simulation in AGCM by Coupling SIT One Dimensional Ocean Model 杜佳穎
1415-1430	A8-2B-23	運用氣象局第二代二步法氣候預報系統發展臺灣春雨預報方法 卓盈旻
1430-1445	A8-2B-24	氣象局第二代二步法氣候預報系統統計降尺度預報技術評估 林昀靜
1445-1445	A7-2B-04	Decadal Variation of Precipitation in Saudi Arabia induced by Agricultural Irrigation 魏豪緯

1500-1530 Coffee break

第十屆全國大氣科學研討會
壁報展示

1530-1715

Room 504a

1530-1700 壁報展示

1700-1715 頒獎

大會
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壁報
POSTER

地震前兆國際研討會

2016 International Workshop on Earthquake Precursors
1320-1800 **Room 504b**

- 1320-1340 Seismo-Magnetic Precursors
Katsumi Hattori
- 1340-1355 Intrinsic Ionospheric Variation and Its Implication on Study of
Lithosphere-Ionospheric Coupling Processes
Kwangsun Ryu
- 1355-1410 A Statistical Study of Pre-Earthquake Electron Density Anomaly
around Japan Region
Chia-Hung Chen
- 1410-1425 Testing Significance of Non-Seismicity Precursors Against
Earthquake Clustering Models Instead of Against Complete
Randomness
Jiancang Zhuang
- 1425-1440 A Statistical Study of Seismo-Ionospheric Anomalies in TEC over
Taiwan from 1999 to 2014
Ai-Ling Shih
- 1440-1500 Coffee break
- 1500-1520 Modification of Low to High Latitude Ionosphere by Large
Earthquake in Japan
Koichiro Oyama
- 1520-1535 Ionospheric Anomalies of Plasma Density and Velocity before
Large Earthquakes: Comparisons between DEMETER
Observations and SAMI3 Simulations
Yi-Ying Ho
- 1535-1550 An Ionospheric Conjugate Effect Induced by M8.0 Wenchuan
Earthquake
Hau-Kun Jhuang
- 1550-1605 Seismo-Ionospheric Precursor in the GIM TEC of the 24 August
2014 M6.0 Napa Earthquake
Tsung-Yu Wu
- 1605-1620 Space Seismology
Masashi Kamogawa
- 1620-1640 integrated Study and Test for Earthquake Precursors
Tiger Jann-Yenq Liu
- 1640-1700 Discussion and Closing Remark
- 1800- Banquet

大
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壁
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Session U4

"古海嘯？近岸地質紀錄看極端事件"國際學術研討會 International conference on "Paleotsunami? Implications of extreme events from nearshore geological records"

主持人：顏君毅、徐濤德

1400-1640

Room 504c

- | | | |
|-----------|----------|---|
| 1400-1420 | U4-2B-01 | Tsunami Sediments as the key for the identification of Gigantic Tsunami associated with Gigantic Earthquake
Kazuomi Hirakawa |
| 1420-1435 | U4-2B-03 | Offshore event deposits at a forearc area of the southern Ryukyu arc
Ken Ikehara(池原研) , Toshiya Kanamatsu, Kazuko Usami, Taku Ajioka, Masayuki Miyazaki, Kan-Hsi Hsiung |
| 1435-1450 | U4-2B-04 | Numerical investigation of the source of the 1867 tsunami in northern Taiwan
菅原大助、游能悌、顏君毅、陳文山、顏一勤、劉進興 |
| 1450-1505 | U4-2B-05 | 利用碳十四定年辨識歷史極端波浪事件沉積記錄的一些問題
徐濤德、王興麟 |
| 1505-1520 | U4-2B-06 | 北台灣二千年來地質記錄中多源的西太平洋津波
游能悌、顏君毅、平川一臣、顏一勤 |
| 1520-1535 | | Break |
| 1535-1555 | U4-2B-07 | 探討澎湖群島海岸階地表層海洋沉積物的環境意義
呂政豪 |
| 1555-1610 | U4-2B-08 | 台灣屏東港口溪口岩芯地質記錄初探
齊士崢、顏君毅、林立虹、顏一勤、游能悌、陳佳宏 |
| 1610-1625 | U4-2B-09 | 台灣古海嘯研究之困難與挑戰
顏君毅、游能悌、齊士崢、黃韶怡 |

Session S2

地震與地體構造
Seismology and Seismotectonics
主持人：溫怡瑛

1400-1530

Room 505

1400-1415	S2-2B-02	Locking depth and seismic efficiency of an active Gukeng fault stepover 古坑橫移錯位斷層的鎖定深度與地震效率 王維豪、葉玉蓮、石瑞銓、吳榮章
1415-1430	S2-2B-03	The Seismic Velocity and Attenuation Structure beneath the Southwestern Taiwan 台灣西南部震波衰減及速度構造 溫士忠、張議仁、林哲民、葉玉蓮
1430-1445	S2-2B-04	Focal mechanisms, crustal movement and fault block rotation in Chianan area: insight from analogue modeling 利用物理模型探討嘉義地區震源機制、地殼變形以及斷塊旋轉的成因 李芷芹、王維豪、溫士忠
1445-1500	S2-2B-05	古坑斷層 GPS 連續站時序異常與慢地震事件相關性探討 鄭凱謙、葉玉蓮、王維豪
1500-1515	S2-2B-06	Characteristics of seismic activities of the 2006 Kukeng earthquake 2006 年古坑地震活動特性探討 張祐銓、溫怡瑛、溫士忠
1515-1530	S2-2B-07	Real-time moment tensor monitoring (RMT) based on 3-D Green's function for regional earthquakes in Taiwan 張育群、李憲忠、梁文宗

5/18**星期三(Wednesday)****上午(A.M)****Session U2****海洋大陸年(YMC)國際研討會**

YMC and large-scale processes over the MC and SCS 1

主持人:Jough-Tai Wang**0830-1010****Room 402a**

0830-0850	Invited	YMC and Early Results from pre-YMC 2015 Campaign Kunio Yoneyama
0850-0910	Invited	Australian proposal for the Years of the Maritime Continent (YMC): Observing convection with the RV Investigator Matthew Wheeler
0910-0930	Invited	Taiwan proposal for the YMC project: Interaction of convection over the Maritime Continent - SCS with large-scale flow Chung-Hsiung Sui
0930-0950	Invited	Intraseasonal Variability in the MC: Consequences for Prediction and a Path to Understanding Model Bias Eric Maloney
0950-1010	Invited	Topographic and Land-Sea Effect of the Maritime Continent on the Air-Sea Interacting MJO Huang-Hsiung Hsu
1010-1030	Break	

Session U2**海洋大陸年(YMC)國際研討會**

YMC and large-scale processes over the MC and SCS 2

主持人:Eric Maloney**1030-1210****Room 402a**

1030-1050	Invited	Propagating and Non-Propagating MJO Events over Maritime Continent Tim Li and Mingyu Bi
1050-1110	Invited	Impact of atmospheric heating over the South China Sea and adjacent regions on global climate Song Yang
1110-1130	Invited	Simulation of the MJO events during DYNAMO field campaign in 2011 Melinda S. Peng
1130-1150	Invited	Multiscale control of summertime persistent heavy precipitation events over South China in association with synoptic, intraseasonal, and low-frequency background Wen Zhou

1150-1210 Invited Analysis of the passage-type TC in the South China Sea
Jau-Ming Chen
 1210-1330 Lunch break

Session GD5

衛星測高應用於大地測量、地球物理及海洋科學
Satellite altimetry for geodesy, geophysics and oceanography
 主持人:郭重言、張翠玉、施亘昶

0800-1000

Room 402b

0800-0815	GD5-3A-01	利用測高與遙測衛星分析湄公河上游水壩建置之影響 劉冠廷
0815-0830	GD5-3A-02	多測高衛星資料應用波形重定技術於台灣多元觀測研究 高煥欽
0830-0845	GD5-3A-03	衛星測高偵測美國 Central Valley, 台灣, 華北平原垂直運動 黃金維
0845-0900	GD5-3A-04	利用 Envisat 監測阿拉斯加永凍土高程變化 謝嘉恩
0900-0915	GD5-3A-05	結合多顆測高衛星與實測水文資料求定海水各層地轉流 張繼鴻、郭重言、C.K. Shum、 萬俊堃、Y.C. Yi
0915-0930	GD5-3A-06	利用衛星測高觀測台灣東部黑潮的長期變化和物理機制 施亘昶
0930-0945	GD5-3A-07	利用衛星測高建立東海南海海域潮位模型 王靖傑
0945-1000	GD5-3A-08	整合測高、遙測與重力衛星觀測青藏高原中部重力變化 曾國欣

專題演講

2016 年中華民國測地學會年會暨學術研討會
2016 Annual Meeting of Geodetic Society of the Republic of China

1000-1150

Room 402b

1000-1030	報到	
1030-1050	開幕	
1050-1120	專題演講	自然及人為地層下陷-以濁水溪沖積扇為例 中央地質調查所 江崇榮 所長
1120-1150	專題演講	邁向智慧水管理時代之水文測報與服務創新思維 經濟部水利署 賴建信 副署長

Session RE1

天然資源與能源研究
Natural Resources and Energy
主持人：楊志成

0830-1000**Room 402c**

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|-----------|-----------|---|
| 0830-0845 | RE1-3A-03 | Formation Processes of the Submarine Fan in the Baiyun Sag - Application of Hydrocarbon Exploration
白雲凹陷深水扇形成過程與油氣探勘之應用
蔣正興、詹美律、李通藝 |
| 0845-0900 | RE1-3A-04 | The spatial distribution and exploration strategy of natural gas resources in southwestern Taiwan
台灣西南地區天然氣資源之空間分布及探勘策略
溫大任、莫慧偵、林殷田、邱俊銘、黃緯誠、沈俊卿 |
| 0900-0915 | RE1-3A-05 | 利用三原色視覺化展示頻譜分解與震測相分類分析陸相古河道之時空分布
李健平、林孝維、梁守謙、張國雄、徐祥宏 |
| 0915-0930 | RE1-3A-06 | 頁岩油氣建模與模擬評估-以北達科他州為例
劉警賢、王志文、曾繼忠、莫慧偵、傅式齊、翁榮南 |
| 0930-0945 | RE1-3A-07 | 類比法評估非傳統油氣礦區-以科羅拉多州為例
王志文、劉警賢、傅式齊、潘時瑜、伍允豪、黃乙倫 |
| 0945-1000 | RE1-3A-08 | Case study of CO2 storage capacity estimation in a gas condensate reservoir
凝結油氣層二氧化碳封存量估算之案例研究
沈建豪、謝秉志、曾繼忠 |
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Session RE1/RE3

地球科學在深層地質處置上的應用
The application of geosciences in deep geological disposal
主持人：林蔚

1030-1200**Room 402c**

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|-----------|-----------|--|
| 1030-1045 | RE1-3A-09 | Heat Flow Simulation in 1-, 2- and 3D Media
一維度到三維度的熱流模擬
陳浩維 |
| 1045-1100 | RE3-3A-01 | Long-term stability of the granitic potential host rocks in Taiwan: a tectonic perspective
由台灣地體構造演化宏觀花崗岩潛在母岩之長期穩定性
林蔚 |
| 1100-1115 | RE3-3A-02 | Aeromagnetic Surveys in Taiwan: Current Status and Preliminary Findings
臺灣地區空中磁測之現況與初步發現
董倫道、林蔚、李柏村 |
| 1115-1130 | RE3-3A-03 | Tectonic implication of local seismic tomography and focal mechanism in Northeast Taiwan
台灣東北部區域地震層析與震源機制研究之構造意涵
廖彥喆、李奕亨、董倫道 |
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- 1130-1145 RE3-3A-04 [Stress and Kinematic Evolution of the Hoping Area, Northeastern Taiwan](#)
En-Chao Yeh, Chao-Yan Lin, Wei-Cheng Li, Sung-Yang Huang, Tai-Tien Wang, Weiren Lin, Wayne Lin, Cheng-Ku Lin
- 1145-1200 RE3-3A-05 [Mechanical Study on the Exploitation of Groundwater Resources in Crystalline Rocks – Examples of Hoping and Kinmen areas, Taiwan](#)
結晶岩地下水水資源開發之力學評估:以臺灣和平與金門為例
 吳致緯、葉恩肇、陳炳權、黃淞洋、林為人、林蔚、林鎮國

Session T2/T3

中尺度地質構造 Meso-scale Geologic 主持人：黃文正

0830-1000

Room 403

- 0830-0845 T2-3A-13 [台灣西北部內麓山帶竹東—番婆坑構造和獅頭山構造之間轉換帶特性研究](#)
 柯益庭、楊耿明、湯宜瑾
- 0845-0900 T3-3A-01 [藉大漢溪河床地質構造探討桃園大溪區域構造演育](#)
 范書睿、黃文正、謝承恩
- 0900-0915 T3-3A-02 [UAV-based field survey and subsurface geological structure study of Sanyi active fault in Houli-Fengyuan, western Taiwan](#)
以后里-豐原地區之三義斷層為例之無人飛行載具快速探查與近地表地質構造特性研究
 謝承恩、黃文正、張竝瑜、羅偉
- 0915-0930 T3-3A-03 [Study of monocline-like structure of Chushan trench via 2D distinct element method](#)
以離散元素法探討竹山槽溝類單斜構造之演育
 徐家祥、黃文正、張有毅、粘為東、黃文昭
- 0930-0945 T3-3A-04 [Morphology of the Chi-Chi earthquake thrust-induced escarpments](#)
逆斷層錯動引致斷層崖之形貌探討 - 集集地震斷層引致之地形崖為例
 邱奕維、黃文正
- 0945-1000 T3-3A-05 [Development and evolution of folds, faults and fractures within a thrust sheet in fold-thrust belt, Guoshing, central Taiwan](#)
褶皺逆衝帶上衝褶皺塊體的構造演化：台灣中部國姓地區 褶皺、斷層、及裂理分析
 葉佳鴻、李建成、盧佳遇

Session NH3

一般地質災害
General Geologic Hazard
主持人：林冠瑋、洪濤

1030-1200**Room 403**

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|-----------|-----------|--|
| 1030-1045 | NH3-3A-01 | 非等向邊界面模型模擬都會區深開挖失敗案例
洪濤 |
| 1045-1100 | NH3-3A-02 | Application of multi-temporal landform analysis in landslide susceptibility assessment for mountainous highway - a case study in southeastern Taiwan
多期地貌變化分析應用於道路邊坡山崩潛勢評估
簡留玄、黃韋凱、魏倫瑋 |
| 1100-1115 | NH3-3A-03 | Application of I-R index on early warning of rainfall triggered shallow landslide
I-R 降雨指標於岩屑崩滑型山崩警戒之應用
魏倫瑋、黃春銘、李璟芳、黃韋凱、鄭錦桐、紀宗吉 |
| 1115-1130 | NH3-3A-04 | Risk Evaluation of Large Scale Landslides in the area of Kao-Ping River Watershed
高屏溪流流域潛在大規模崩塌地區危險度評估
陳志豪、林慶偉 |
| 1130-1145 | NH3-3A-05 | The Recognition of Large Scale Landslides and Surface Displacement Monitoring System – an example from Lishan area in Taichung City
潛在大規模崩塌判釋與簡易觀測系統建置-以臺中梨山地區潛在大規模崩塌臺中市-和平區-D045 為例
何岱杰、林慶偉 |
| 1145-1200 | NH3-3A-06 | Study on the application of Analytic Hierarchy Process Theory on DSGSD susceptibility
AHP 層級分析法於大規模崩塌潛勢評估之適用性探討
魏倫瑋、曹鼎志 |

Session H1

水文與水文地質
Hydrology and Hydrogeology
主持人：張竝瑜、邱永嘉

0830-1000**Room 404**

- | | | |
|-----------|----------|---|
| 0830-0845 | H1-3A-01 | Preliminary identification and delineation of groundwater recharge zones in Taichung Basin
臺中盆地地下水補注區特性與劃分之初步研究
林榮潤、柯建仲、周柏儀、許世孟、劉說安、林燕初、黃智昭 |
|-----------|----------|---|

0845-0900	H1-3A-02	Integrating Raster Based GIS for the Estimation of Groundwater Recharge 應用網格式地理資訊系統於地下水補注量推估-以屏東平原為例 余仟涵、陳宇文、張良正
0900-0915	H1-3A-03	Estimating the hydrogeological parameters for the unconfined aquifer with the time-lapse resistivity imaging method during the pumping tests 運用時序地電阻資料輔助抽水試驗推算測非拘限含水層比出水量與導水係數之研究 張竝瑜、張良正、陳文福
0915-0930	H1-3A-04	Interpretation of well geophysical logs and their correlations to groundwater exploration in hard-rock aquifers 應用井下地物探測技術解讀山區地下水文特性之回顧與探討 周柏儀、羅鴻傑、陳柏瑞、許世孟
0930-0945	H1-3A-05	高維度參數結構之地下水數值模式率定-以蘭陽平原為例 邱永嘉、蔡瑞彬、張良正、江崇榮
0945-1000	H1-3A-06	蘭陽平原之地表水與地下水交互作用數值模式 葉俊國、邱永嘉

Session H1

水文與水文地質

Hydrology and Hydrogeology

主持人：許少瑜、李宗祐

1030-1200

Room 404

1030-1045	H1-3A-07	Numerical Simulation of Excess Pressure Changes in Aquifers Induced by Earthquakes 地震引發含水層超額水壓變化之數值模擬 劉慶怡、鄭丁乾、賈儀平
1045-1100	H1-3A-08	The use of the stable isotopes and groundwater level fluctuations to determine the pattern and spatial extent of groundwater flow in the Tatun Volcano Group (TVG) 利用氫氧穩定同位素與地下水位變動探討大屯火山群淺層地下水流動 李品儀、郭欽慧、黃世豪
1100-1115	H1-3A-09	以雪山隧道導坑水之流量與氫氧同位素探討地下水傳輸之 Celerity 及 Velocity 概念 李宗祐、許少瑜、施郁庭、邱永嘉、黃誌川
1115-1130	H1-3A-10	The Dynamic Response of the Water Retention Curve in Unsaturated Soils during Drainage to Acoustic Vibrations 震動波對於保水曲線的影響

許少瑜、羅偉誠、楊佶欽、陳主惠、葉昭龍、Markus Hilpert

1130-1145 H1-3A-11 [Effect of Body Force on Consolidation in Unsaturated Soils](#)

[重力對非飽和土壤壓密沉陷之影響](#)

趙南傑、羅偉誠、李哲瑋

1145-1200 H1-3A-12 [One-dimensional consolidation in unsaturated soils under an external time-varying loading](#)

[未飽和土壤受到時間變動載重之一維壓密研究](#)

李哲瑋、羅偉誠、鄧教弘

Session MP/V1/V3

礦物學及岩石學

Mineralogy and Petrology

主持人：龔慧貞

0830-1000

Room 501

0830-0845 MP-3A-01 [Unraveling the enigma of early diagenetic formation and transformation of iron-sulfide minerals: High-resolution electron microscopy evidence from sediments off SW Taiwan](#)

[臺灣西南海域沉積物高解析度電子顯微分析揭開早成岩硫化鐵礦物生成與轉變模式之未知面向](#)

黃克峻、江威德

0845-0900 MP-3A-02 [Thermal conductivity and sound velocity of antigorite at high pressure using time-domain thermorefectance](#)

簡祐祥、謝文斌

0900-0915 MP-3A-03 [Phase transformation upon cooling path in Ca₂SiO₄: Possible geological implication](#)

[Ca₂SiO₄ 冷卻過程中之相變：可能的地質意義](#)

張芸庭、龔慧貞、徐翰

0915-0930 V1-3A-01 [A novel approach to measure elemental concentrations in cation exchange resins using XRF-scanning technique, and its potential in water pollution studies](#)

[利用 XRF 掃描技術分析陽離子交換樹脂內的金屬濃度及其在水污染監測的潛力](#)

黃致展、林聖淇、Ludvig Löwemark、劉雅瑄、張冕、張尊國、魏國彥、Ian W. Croudace

0930-0945 V1-3A-02 [Study on Sorption of Cs in Bentonite and Montmorillonite](#)

[鈉在膨潤土與蒙脫石中吸附作用之研究](#)

康綾珍、涂又琳、許家禎、李傳斌、蔡翠玲、吳銘志

0945-1000 V3-3A-01 [俯冲帶中含水礦物的變形和地震波各向异性](#)

章軍鋒、劉文龍、史鋒

Session V3**亞洲大陸地殼演化
Continental crust development in Asia**

主持人：葉孟宛

1030-1200**Room 501**

1030-1045	V3-3A-02	Geochemical Characteristics and Petrogenesis of Adakites in Sikhote-Alin, Russian Far East 俄羅斯遠東地區埃達克岩之地球化學特性與岩石成因 吳宗歡
1045-1100	V3-3A-03	Age, geochemical and Sr-Nd isotopic study of granitic and volcanic rocks in the Sikhote-Alin Orogenic Belt (Russian Far East) and its bearing on regional tectonic evolution 趙盼
1100-1115	V3-3A-04	华北克拉通地幔橄欖岩包体微区原位 Sr 同位素组成变化填图研究 刘勇胜
1115-1130	V3-3A-05	地幔置换作用与华北克拉通破坏 郑建平
1130-1145	V3-3A-06	扬子基底的变质演化 周汉文、刘博、曾雯、李益龙
1145-1200	V3-3A-07	A lower crust origin of some flood basalts of the Emeishan large igneous province, SW China 中國西南地區峨眉山大火成岩區之玄武岩的下地殼起源 J. Gregory Shellnutt, Tadashi Usuki, Allen K. Kennedy, Han-Yi Chiu

Session ST2**地層與古生物
Stratigraphy and Paleontology**

主持人：汪良奇、李世緯

0830-1000**Room 502**

0830-0845	ST2-3A-01	A mid-Holocene record of paleolimnological evolution and human activity in northern Guangxi 廣西北部中全新世古湖沼演替與人類活動紀錄 汪良奇、李紅春、蕭良堅
0845-0900	ST2-3A-02	Mantodea and Blattaria (Insecta) from the Aptian Crato Formation, Northeast Brazil 下白堊紀巴西東北部 Crato Formation 的螳螂與蟑螂生物相 李世緯

0900-0915	ST2-3A-03	台北盆地的地層系統比較研究 簡翊展
0915-0930	ST2-3A-04	以礫石層的磁生物地層定年闡釋台灣蓬萊造山運動快速隆起事件的演變 洪崇勝、謝凱旋
0930-0945	ST2-3A-05	The culmination of Holocene sea level in the Taipei Basin: evidence from fossil mangrove forest by the Hsin-dian River upstream of the Fu-ho Bridge 台北盆地全新世最高海漫面的證據：新店溪福和橋上游的古紅樹林 謝孟龍、李慶堯、王秋美、陳炳誠、蘇品如
0945-1000	ST2-3A-06	Diagenetic constraints of Steptoean Positive Carbon Isotope Excursion (SPICE) on Cambrian North China Platform 吳天偉、米泓生、林怡美

Session ST2/ST3

考古地質學

Human Evolution and Archaeology

主持人：楊小青、方建能

1030-1200

Room 502

1030-1045	ST2-3A-07	The 35 Ma Detrital Zircon U-Pb Ages in Hsitsun Formation, Northern Taiwan 雪山山脈北段西村層中碎屑鋁石的鈾鉛年代研究 鍾令和、李元希、蔡宛玲、謝凱旋、羅偉、林啟文
1045-1100	ST2-3A-08	A study of the fossil raccoon dog (Nyctereutes procyonoides) from the Penghu channel, Taiwan 澎湖水道小型食肉類貉化石 (Nyctereutes procyonoides) 之研究 張鈞翔
1100-1115	ST3-3A-01	Strontium isotopes in the investigation of Iron Age glass beads in Taiwan 台灣鐵器時代遺址出土玻璃珠之鋇同位素分析研究 楊小青、王國龍
1115-1130	ST3-3A-02	China's Traditional Measurement System in the Discovery of China's Earliest Cupronickel Coins and China's Cupronickel as Source for Bactrian Coins 中國最早的鎳白銅錢的發現與其意義 方建能、余炳盛、譚立平
1130-1145	ST3-3A-03	Had mass-wasting movements caused migration of pre-historic people? An example from the Laonong River, southwestern Taiwan 山崩土石流曾導致史前人群大規模的遷徙嗎？以荖濃溪為例 謝孟龍、吳俊毅、崔秀國

Session GG7

科技部整合計畫期中成果報告：
降雨型災害之跨尺度社會衝擊評估系統建構
**The Construction of Social Impact Assessment System Under
Cross-scale Framework for Rainfall Disaster**

主持人:王素芬

0820-1020**Room 503**

0820-0840	GG7-3A-01	百年侵臺颱風登陸點變化研究 涂建翊
0840-0900	GG7-3A-02	多尺度單元在災害與社會衝擊評估之應用 王素芬
0900-0920	GG7-3A-03	從社會空間差異分析建構脆弱性單元：以台灣中部地區強降雨災害為例 宋郁玲
0920-0940	GG7-3A-04	台灣普查資料空間分析 何猷賓
0940-1000	綜合座談	
1000-1020	休息時間	

Session GG2

環境變遷與災害
Environmental Change and Disaster

主持人:涂建翊、林貝珊

1020-1510**Room 503**

1020-1040	GG2-3A-01	臺灣強降雨和颱風活動頻率關係研究 紀佳臻
1040-1100	GG2-3A-02	臺灣降雨的空間變化研究 陳玄芬
1100-1120	GG2-3A-03	氣候變遷下全台淹水災害風險圖之應用 林宣汝
1120-1140	GG2-3A-04	防災社區推動空間分布初探 吳郁珮
1140-1200	GG2-3A-05	災害復原影響因子初探 曾敏惠
1200-1330	休息時間	
1330-1350	GG2-3A-06	防災社區運作與居民災害識覺之研究 王駿逸
1350-1410	GG2-3A-07	居民及社區組織參與自主防災情形及與公部門合作關係之研究-以南投縣水里鄉上安村為例 林主航
1410-1430	GG2-3A-08	原住民部落災害資訊傳遞與避難行為之研究 翁郁翔

1430-1450	GG2-3A-09	鄉村型社區災害弱勢族群之臨災疏散避難作為：以南投縣水里鄉興隆村中高齡族群為例 陳怡君
1450-1510	GG2-3A-10	模糊德爾菲法與層級程序分析法在新竹市社會脆弱性指標建立之應用 王立彬

Session U5

古海洋與古氣候國際研討會 International conference on Paleoceanography and Paleoclimatology 主持人：陳明德、沈川州

0830-1000

Room 504a

0830-0845	U5-3A-01	Oceanic-atmospheric shifts in the southwest tropical Pacific since 1649 CE Kristine L. DeLong , Terrence M. Quinn, Frederick W. Taylor, Ke Lin, Chuan-Chou Shen
0845-0900	U5-3A-02	Hydroclimate reconstruction from subtropical northwest Pacific stalagmites in Okinawa-jima, Japan Ryuji Asami , Ryu Uemura, Haruyoshi Miyata, Jin-Ping Chen, Chung-Che Wu, Chuan-Chou Shen(沈川洲)
0900-0915	U5-3A-03	Centennial-scale variability in the Indian summer monsoon from Mid to Late Holocene using Indian speleothems Mahjoor Lone(隆馬吉) , Syed Masood Ahmad, Joyanto Routh, Vikash Kumar, Ravi Rangarajan, Prosenjit Ghosh, Chuan Chou Shen
0915-0930	U5-3A-04	Absolute-dated multidecadally resolved Asian summer monsoon dynamics 113.5 to 86.6 thousand years ago Xiuyang Jiang , Chuan-Chou Shen(沈川洲), Xiaoyan Wang, Yaoqi He, Hsun-Ming Hu
0930-0945	U5-3A-05	Response of South China Sea nitrogen fixation to shelf nitrogen loss over glacial cycles Abby Ren(任昊佳) , Daniel M. Sigman, Alfredo Martínez-García, Robert F. Anderson, Min-Te Chen, Marietta Straub, George T.F. Wong, Gerald H. Haug
0945-1000	U5-3A-06	Precession and obliquity paced siliciclastic and carbonate sedimentation during the past 360 thousand years: XRF geochemical core logging data from Solomon Sea, western equatorial Pacific Kuo-Yen Wei , Chien-Ju Chou, Jyh-Jaah Huang, Chih-Kai Chuang, Li Lo

Session U3

第一屆台日地質學會聯合學術研討會
1st Joint Symposium of Taiwan and Japan Geological Societies
主持人: 林殿順、保柳康一

1030-1200**Room 504a**

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|-----------|----------|---|
| 1030-1045 | U3-3A-01 | The Cenozoic geohistory of the Ryukyu Islands and Taiwan
Yasufumi Iryu(井龍康文) |
| 1045-1100 | U3-3A-02 | Mineralogy and structure of the shallow mantle wedge: evidence from seismic anisotropy in the Ryukyu Arc and structural petrological studies
Simon Richard Wallis |
| 1100-1115 | U3-3A-03 | Continental margin sedimentation and sequence stratigraphy: IODP shelf-slope transect drilling
Koichi Hoyanagi(保柳康一) |
| 1115-1130 | U3-3A-04 | Fluid flows and gas hydrate systems of the incipient arc-continent collision zone of Taiwan
Andrew Tien-Shun Lin(林殿順) |
| 1130-1145 | U3-3A-05 | Application of Zr-in-rutile thermometry to a Moldanubian garnet-clinopyroxene granulite
Tadashi Usuki(白杵直), Yoshiyuki Iizuka, Takao Hirajima, Martin Svojtka, Bor-ming Jahn |
| 1145-1200 | U3-3A-06 | Ancient mantle lithosphere beneath the Khanka massif in Russian Far East: Re-Os evidence for the Siberia affinity
Kuo-Lung Wang(王國龍), Vladimir Prikhodko, Suzanne O'Reilly, William Griffin, Norman Pearson, Victor Kovach, Yoshiyuki Iizuka |

Session GG1

航遙測技術與環境監測
Environmental monitoring from Air and Space
主持人: 徐逸祥

0820-1120**Room 504b**

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|-----------|-----------|--|
| 0820-0840 | GG1-3A-01 | UAV 大區域量測之精度研究以池上為例
黃明江 |
| 0840-0900 | GG1-3A-02 | 無人飛行載具多光譜影像正射，套合及精度評估
杜亮呈 |
| 0900-0920 | GG1-3A-03 | 半自動化萃取氾濫平原地形地物的可行性探討 - 特論臺灣 1950 年前後的歷史航照
陳威凱 |
| 0920-0940 | GG1-3A-04 | 整合 GNSS 與 InSAR 於地殼變形之應用
莊昀叡 |

0940-1000	GG1-3A-05	來社溪河道變遷分析 廖達峻
1000-1020	休息時間	
1020-1040	GG1-3A-06	金沙灣近十年地形變遷 侯詠文
1040-1100	GG1-3A-07	利用 MODIS 衛星影像進行植被變化之分析 陳逸蓁
1100-1120	GG1-3A-08	高雄壽山西側的大規模地滑研究 林庭宇

Session GG4

資源保育與觀光遊憩 Resource Conservation, Tourism and Recreation 主持人:朱建銘、李素馨

0820-1200

Room 504c

0820-0840	GG4-3A-01	陽明山國家公園遊憩區臉書打卡資料分析 莊哲瑋
0840-0900	GG4-3A-02	桃園老街流域周遭居民的洪患識覺之研究 曾維德
0900-0920	GG4-3A-03	露營區鄉村空間的建構—以桃米坑顏氏牧場為例 賴宜廷
0920-0940	GG4-3A-04	桐花祭之後的三義觀光發展策略 高敏鈺
0940-1000	GG4-3A-05	電子地圖上觀光景點呈現方式之初探 張丞亞
1000-1020	休息時間	
1020-1040	GG4-3A-06	以世界地質公園網絡推動馬祖地區深度旅遊發展成效分析 許廣宗
1040-1100	GG4-3A-07	野柳地質公園經營管理成效評估 陳柏廷
1100-1120	GG4-3A-08	十八羅漢山自然保護區的範圍與分區方案評估 吳玟靜
1120-1140	GG4-3A-09	民眾對棲蘭山區發展生態旅遊之意見分析 鄭伊珊
1140-1200	GG4-3A-10	澎湖縣望安島綠蠵龜繁殖與棲地因子分析 彭冠傑

Session S5**噪聲地震學****Ambient noise seismology and applications**

主持人：梁文宗、郭本垣

0830-1000**Room 505**

0830-0845	S5-3A-01	Testing and implementing fluvial seismology: a view from river sediment transport monitoring 測試及實行河道地震學: 河道土砂運移之監測 趙韋安、吳逸民、陳樹群
0845-0900	S5-3A-02	GPS displacement field changed to the variation of ambient noise spectrum GPS 位移場變異與噪訊頻譜影響分析 吳沛芸、余騰鐸、彭文飛
0900-0915	S5-3A-03	Subsurface Imaging in Yellowstone Using Ambient Noise Sin-Mei Wu, Fan-Chi Lin, Jamie Farrell
0915-0930	S5-3A-04	Shallow crustal velocity structures obtained from ambient noise study of seismic array in the Tatun Volcano Group 黃有志、林正洪、鍵山恒臣
0930-0945	S5-3A-05	Crustal seismic structure of Japan island constrained by ambient noises 陳凱勛、龔源成、郭本垣、黃梓殷
0945-1000	S5-3A-06	Monsoon dependent seismic ambient noise observed in Gujarat, India 印度與季風期相關的噪聲觀測 梁文宗、A. P. Singh、趙里、Santosh Kumar

Session S3/S4/S5**地震個例研究****Studies of Individual Events of Earthquakes**

主持人：蒲新杰

1030-1200**Room 505**

1030-1045	S5-3A-07	Constraints on Flow Dynamics within the Oceanic Asthenosphere from a High-Resolution Analysis of Seismic Anisotropy in the Central Pacific Pei-Ying Patty Lin, James B. Gaherty, Ge Jin, John A. Collins, Daniel Lizarralde, Rob. L. Evans, Greg Hirth
1045-1100	S4-3A-01	A study of strong motion topographic effect by Fourier Transform 以富氏變換研究強地動的地形效應 彭文飛、余騰鐸、葉永田
1100-1115	S3-3A-01	0212 felt earthquake Beneath the Tatun Volcanic

Group in 20142014 年 0212 大屯火山群有感地震

蒲新杰、林正洪、張麗琴、甘志文、呂佩玲

1115-1130 S3-3A-02

A Meteor Shockwave Event Off-Shore Northern Taiwan Recorded in Seismic and Infrasound Data

Utpal Kumar, B. F. Chao, Y. K. Hsieh, E. T. Chang

1130-1145 S3-3A-03

1946 年新化地震重新回顧與探討

鄭世楠、張建興、顏宏元、葉永田

1145-1200 S3-3A-04

Implications from studying the spatial-temporal variations of seismic b-values prior to the 2016 Meinong earthquake, Taiwan2016 台灣美濃地震震源區之地震 b 值時空研究及其意義

葉玉蓮、溫士忠、溫怡英、王維豪、陳界宏、鄭凱謙、石瑞銓

Session U2**海洋大陸年(YMC)國際研討會**

YMC and convective processes over the MC and SCS 1

主持人:**Ming-Jen Yang****1330-1510****Room 402a**

1330-1350	Invited	Effect of Large-scale Vertical Motions on SST-Cloud Relationships Observed over the Tropical Oceans Chian-Yi Liu
1350-1410	Invited	The impacts of microphysics schemes on simulation of heavy rainfall over Taiwan Pay-Liam Lin
1410-1430	Invited	Precipitation characteristics of the MCS over southern Taiwan on 14-15 June 2008 during TiMREX Ming-Jen Yang
1430-1450	Invited	Evaluation of precipitation over the Maritime Continent and South China Sea simulated in global climate models Wei-Ting Chen
1450-1510	Invited	Impact of Siberia high moving trajectories over the South China Sea area Ching-Hwang Liu
1510-1530	Break	

Session U2**海洋大陸年(YMC)國際研討會**

YMC and convective processes over the MC and SCS 2

主持人:**Tien-Chiang Yeh****1530-1700****Room 402a**

1530-1550	Invited	Characteristics of extreme rainfalls observed with 17 years of the Tropical Precipitation Measurement Mission Yukari Takayabu
1550-1610	Invited	Boundary layer development and convection initiation in south Taiwan Jong-Dao Ben Jou
1610-1700	Open to all participants	Discussions chaired by Jong-Dao Ben Jou, Kunio Yoneyama, Matthew Wheeler, Yukari Takayabu, Tien-Chiang Yeh, Po-Hsiung Lin

Session GD2**地層下陷監測與地下水管理****Land subsidence (Land subsidence displacement measuring and monitoring , numerical modelling, water management strategies)**

主持人:洪偉嘉、簡昭群、朱木壽

1345-1500**Room 402b**

1345-1400	GD2-3B-07	應用衛星雷達差分干涉技術監測越南河內市中心之地層下陷 黎士俊
1400-1415	GD2-3B-08	含水層地層下陷數值計算之研究 林政偉
1415-1430	GD2-3B-09	北京地面沉降現狀及規劃與防治分析 楊艷
1430-1445	GD2-3B-10	上海市重大市政工程變形監測技術體系研究 熊福文
1445-1500	GD2-3B-11	多元化監測系統應用於濁水溪沖積扇地表變形監測 洪偉嘉

Session GD3**重力：地球物理及全球變遷的探測****Gravity variations (global and regional, satellite and in situ)**

主持人：趙丰、高瑞其、連紫猗

1530-1700**Room 402b**

1530-1545	GD3-3B-01	2012~2014 年大屯火山地區的重力變遷 陳冠宏、黃金維
1545-1600	GD3-3B-02	大屯火山群時變重力與水文之研究 連紫猗、黃金維、鄭景中
1600-1615	GD3-3B-03	利用 GRACE 衛星觀測孟加拉地區地下水變遷 施帛宏、曾國欣、C.K. Shum、Faisal Hossain、郭重言、劉冠廷
1615-1630	GD3-3B-04	法屬玻里尼西亞高解析度重力和大地起伏模型—陸地和空載重力測量 施亘昶、黃金維
1630-1645	GD3-3B-05	Variation of mass in Antarctica and Southern Ocean in relation to the Southern Annular Mode detected in the time-variable gravity signals by GRACE satellite 廖貞如、趙丰
1645-1700	GD3-3B-06	Spatiotemporal land water storage variations in African mega-hydrological regimes using GRACE and hydrological models Ashraf Rateb、Kun Shang、Chung-Yen Kuo、Kuo-Hsin Tseng、Kuo-En Ching、C.K. Shum、Lei

1700-1715 GD3-3B-07 [Wang](#)
[結合衛星測高及重力變化觀測海水面異常](#)
 黃勇歡、高瑞其、錢正明、黃金維

Session RE3

地球科學在深層地質處置上的應用

The application of geosciences in deep geological disposal

主持人：謝佩珊

1400-1600

Room 402c

1400-1415	RE3-3B-06	應用三維磁力與地電技術解析地下岩體構造之研究 陳文山、董倫道
1415-1430	RE3-3B-07	Statistical analysis of discrete fracture parameters in the Eastern K-area 金門東部地區離散裂隙特性參數量測與統計分析 黃淞洋、劉台生、蔣立為
1430-1445	RE3-3B-08	Characterisitics of the fractured granitic rock in the K-area: From data analysis to discrete fracture network simulations K區裂隙花崗岩體特性：從資料分析到離散裂隙網路數值模擬 劉台生
1445-1500	RE3-3B-09	A Numerical Simulation of Groundwater Flow for Deep Geological Radioactive Waste Disposal 放射性廢棄物深層地質處置地下水模擬 田能全
1500-1515	RE3-3B-10	Application of microfocus X-ray computerized tomography (Micro-CT) for substances investigation inside geological material 謝佩珊、林鎮國
1515-1530	RE3-3B-11	金門東部花崗岩體之深層地下水質特性研究 張育德、林鎮國、林蔚
1530-1545	RE3-3B-12	Applications of reaction-path modelling in geological disposal concept of radioactive waste 林鎮國、張育德、謝佩珊
1545-1600	RE3-3B-13	鋇、鉍在硬頁岩中的吸附與擴散行為之研究 涂又琳、康綾珍、許家禎、李傳斌、蔡翠玲、吳銘志

Session GP

地球物理與探勘
Geophysics and Geophysical Investigation
主持人：張竝瑜

1400-1600**Room 403**

- | | | |
|-----------|----------|--|
| 1400-1415 | GP-3B-01 | Study in magnetic structure around Meishan Fault
梅山斷層附近地區磁力構造研究
黃亦璿、陳界宏、陳俊榕 |
| 1415-1430 | GP-3B-02 | Investigate Ruisui Fault and Yuli Fault Using High Resolution Shallow Reflection Seismic Method
利用高解析淺層反射震測法探測瑞穗斷層與玉里斷層
黃俊銘、郭陳濤、王乾盈、郭炫佑 |
| 1430-1445 | GP-3B-03 | Waveform Migration, Illumination and Resolution Analyses for Multiples
複反射的波形移位、照明度與解析度分析
李坤松、陳浩維 |
| 1445-1500 | GP-3B-04 | In Search of Tsunami Deposits in Southeast Taiwan Using Ground Penetrating Radar
透地雷達搜尋台灣東南部海嘯沉積物
陳浩維、祖慶真也、中村衛 |
| 1500-1515 | GP-3B-05 | A study in density models around areas of the Meishan fault
梅山斷層附近地區密度模型研究
顧雅雲 |
| 1515-1530 | GP-3B-06 | Assessing active faulting by hydro-geological modeling and superconducting gravimetry: a case study for Hsinchu Fault, Taiwan
連紫猗、鄭景中、黃金維、David Crossley |
| 1530-1545 | GP-3B-07 | Numerical simulation of Longitudinal Valley Fault earthquakes in eastern Taiwan
縱谷斷層地震序列重建與情境地震模擬
林珈樺、李憲忠、胡植慶 |
| 1545-1600 | GP-3B-08 | Application of P-impedance inversion, well logs and well production data to evaluate the hydrocarbon potential of TN structure
應用 P 波阻抗逆推、電測與生產資料評估 TN 儲油構造之油氣潛能
古佳艷 |

Session H1/H2

水文與水文地質 Hydrology and Hydrogeology
地下水與傳輸 Groundwater Flow and Transport
主持人：許世孟、李奕賢

1400-1600

Room 404

1400-1415	H1-3B-13	Numerical Simulation of Groundwater Level Changes due to Ocean Tide and Earthquake Effects 潮汐和地震引發地下水位變化之數值模擬 鄭丁乾、賈儀平、劉慶怡
1415-1430	H1-3B-14	DFN parallelizing simulation program 離散裂隙岩體平行化數值模擬程式 黃挺璋、劉台生
1430-1445	H1-3B-15	裂隙組別與岩體水力傳導係數尺度變異之研究：以和社場址為例 詹尚書、王泰典、黃燦輝
1445-1500	H1-3B-16	Using Nano-Iron Tracer Test in the Sealed Well to Investigate Preferential Flow Paths in Fractured Bedrock 應用奈米鐵示蹤劑試驗於封塞井中調查裂隙岩層優勢水流路徑 莊伯禹、邱永嘉、劉雅瑄、鄧茂華、黃柏勳、劉慶怡、賈儀平
1500-1515	H2-3B-01	A Preliminary Study on Selecting Appropriate Hydraulic Models for Modelling of Fractured Rock Medium in Taiwan Mountainous Region 臺灣山區不同岩層環境特徵所對應裂隙岩層水力模型之初探 許世孟、周柏儀、柯建仲、林燕初、黃智昭
1515-1530	H2-3B-02	複合域之裂隙岩層地下水水流與溶質傳輸模式發展 李奕賢、倪春發
1530-1545	H2-3B-03	優化理論應用於屏東沿海地區海水入侵管理策略之研究 黃柏勳、邱永嘉
1545-1600	H2-3B-04	邊界條件對於殘餘相形成的影響：以雙通道模型為例 周中婷、許少瑜、郭盈蘭

Session V3

亞洲大陸地殼演化
Continental crust development in Asia
主持人：謝奈特 (Greg Shellnutt)

1400-1600

Room 501

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|-----------|----------|--|
| 1400-1415 | V3-3B-08 | Petrogenesis of Eocene to Early Oligocene granitic rocks in Phan Si Pan uplift area, northwestern Vietnam: geochemical implications for Cenozoic evolution of the Yangtze Block
Thuy T. Pham, J. Gregory Shellnutt, Anh T. Tran |
| 1415-1430 | V3-3B-09 | An experimental investigation of the Panzhihua igneous complex, SW China-Addressing the genesis of Fe-Ti-V oxide ore deposits
Tran Thi Duyen, J. Gregory Shellnutt, Teh-ching Liu, Wen-yu Hsia |
| 1430-1445 | V3-3B-10 | Ages and geochemistry of Cretaceous mafic dikes in Southeastern China: implications for paleo-Pacific subduction evolution
華南白堊紀基性岩脈的地球化學特性及古太平洋海板塊隱沒之關連
林建偉、李寄嶼、陳正宏 |
| 1445-1500 | V3-3B-11 | Balanced section and tectonic evolution of the northeasternmost South China Sea
南海東北端海域新生代地層二維重建與構造演化史之研究
李麗 |
| 1500-1515 | V3-3B-12 | Stress Dynamics of Magma Activity during Orogenic Evolution: An Example from Kinmen Island, SE China
造山期間岩漿活動的應力動力：以華南沿海金門島為例
陳炳權、葉恩肇、林建偉、李寄嶼、陳柔妃、林蔚、謝佩珊、林鎮國、飯塚義之 |
| 1515-1530 | V3-3B-13 | In-situ UV laserprobe $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology Analysis of syn-shearing leucogranite from the Mae Ping Shear Zone, Thailand
泰國湄濱剪切帶同剪切淡色花岡岩之氬氬定點定年研究
林郁伶、葉孟宛、李通藝、羅清華、飯塚義之 |
| 1530-1545 | V3-3B-14 | Detrital zircons from the Salween River: A natural boundary separating juvenile and older crustal provenances in Southeast Asia
東南亞古老與新生地殼的分界，薩爾溫江的碎屑鋯石研究
林德嫻、鍾孫霖 |

大會資訊
5 / 16 (MON.)
5 / 17 (TUE.)
5 / 18 (WED.)
5 / 19 (THU.)
5 / 20 (FRI.)
壁報 POSTER

1545-1600 V3-3B-15 [Detrital Zircon U-Pb Age Study of the Pre-Miocene Formations in Offshore Southern Taiwan](#)
[台灣南部海域先中新統地層碎屑鋯石鈾-鉛定年學研究](#)
 蔡孟濤

Session NH2

**地震災害
 Seismic Hazard
 主持人：溫士忠**

1400-1600

Room 502

1400-1415	NH2-3B-01	An interdisciplinary perspective on social and physical determinants of seismic risk: a case of Chi-Chi Earthquake 跨領域地震災害風險探析：集集地震的物理與社會致災因素 林冠慧、林宗弘、張宜君、葉錦勳、劉季宇、詹忠翰
1415-1430	NH2-3B-02	In terms of Logarithmic Mean Annual Seismicity Rate and its Standard Deviation to Represent the Gutenberg-Richter Relation 以對數平均年地震速率和它的標準偏差去表示 Gutenberg-Richter 關係式 陳桂寶、張文彥、蔡義本
1430-1445	NH2-3B-03	Validation and disaggregation of Taiwan PSHA 台灣地震危害度分析之驗證 王郁如、李雅淳、詹忠翰、馬國鳳
1445-1500	NH2-3B-04	中央氣象局震度速報系統建置介紹 戴一明、陳達毅、翁啟挺、徐毅振、許焯志
1500-1515	NH2-3B-05	地震預警系統中多重地震事件研究 陳達毅、戴一明、許焯志
1515-1530	NH2-3B-06	The Earthquake Probability Assessment of Creeping Active Faults 潛移行為之活動斷層潛勢評估 李易叡、鄭錦桐
1530-1545	NH2-3B-07	Precursory gas geochemical and gamma rays anomalies prior to the 2016 M6.4 Meinong earthquake, southern Taiwan 2016 美濃地震之氣體地球化學與伽瑪射線前兆研究 傅慶州、李羅權、楊燦堯、王鵬綱、劉聰桂、Vivek Walia、陳正宏、林正洪、賴慈華、Dimitar Ouzounov
1545-1600	NH2-3B-08	Seismic Strain Release of 2016 ML6.4 Mei-Nong Earthquake 吳善薇

Session GG6

性別、文化與消費空間
Space of Gender, Culture and Consumption
主持人:謝雨潔

1530-1710**Room 503**

1530-1550	GG6-3B-01	男同志社會體系脈絡與展演實踐之初探 李建霖
1550-1610	GG6-3B-02	電影敘事與家的再現：以奧斯卡歷屆最佳影片為例 楊曙澤
1610-1630	GG6-3B-03	可愛當道：紙膠帶的消費意義 洪佩瑜
1630-1650	GG6-3B-04	高中通論(自然)地理教科書之內容「問題」之分析 范秀儀
1650-1710	GG6-3B-05	應用 DEA 評估連鎖飲料店選址之研究 游家傑

Session GG3

山崩、輸砂與治理策略
Landslides, Sediment Transport, and Their Managing Strategies
主持人:陳毅青、李宗祐

1330-1710**Room 504b**

1330-1350	GG3-3B-01	台灣易山崩地區崩塌地面積及沉積物輸出之模擬 鄧澤揚
1350-1410	GG3-3B-02	花蓮溪輸砂量之長期變動情勢 范姜俐錡
1410-1430	GG3-3B-03	未來極端事件濁水溪集水區流量及河道沖淤模擬 趙益群
1430-1450	GG3-3B-04	流域土砂量推估與應用 吳亭燁
1450-1510	GG3-3B-05	桶頭攔河堰集水區莫拉克颱風坡地土砂收支與河 溪級序特性之研究 沈哲緯
1510-1530		休息時間
1530-1550	GG3-3B-06	陳有蘭溪上游支流河道侵淤變化趨勢：以出水 溪、四號溪與頭坑溪為例 劉盈劭
1550-1610	GG3-3B-07	新店溪上游屈尺濁度觀測特性 林聖琪
1610-1630	GG3-3B-08	應用非點污染模擬模式 SWAT 模擬高山溪流流量 與硝酸鹽氮輸出之研究：以翡翠水庫上游集水區

為例

林冠州

1630-1650 GG3-3B-09 政府風險溝通對水資源工程之探討- 以高雄市大樹區伏流水工程開發為例

沈侑穎

1650-1710 GG3-3B-10 颱風環境下海岸地形變遷之調查—以 2015 年蘇迪勒颱風為例

高宇軒

Session GG5

都市與地方變遷

Changes of Urban and Place

主持人:林潤華、吳幸玲

1330-1730

Room 504c

- | | | |
|-----------|-----------|---|
| 1330-1350 | GG5-3B-01 | 「二手店裡的烏托邦」：生活風格移民的花蓮地方想像
林潤華 |
| 1350-1410 | GG5-3B-02 | <u>台中市大甲向日葵農場發展的鄉村文化經濟分析</u>
葉秋雲 |
| 1410-1430 | GG5-3B-03 | <u>尋找消逝的剝皮寮----重構被取代的文化地景</u>
楊雅婷 |
| 1430-1450 | GG5-3B-04 | <u>祭祀地景的變遷之探究—以高雄林園鳳芸宮媽祖海巡為例</u>
姚珮萱 |
| 1450-1510 | GG5-3B-05 | <u>臺南市歸仁區的聚落變遷與發展</u>
王昭驊 |
| 1510-1530 | Break | |
| 1530-1550 | GG5-3B-06 | <u>「家」的保衛戰：都市非正式住居的抵抗、認同與微政治</u>
邱逸鈴 |
| 1550-1610 | GG5-3B-07 | <u>臺中市街舞的發展與公共空間意涵的轉變</u>
林吟芝 |
| 1610-1630 | GG5-3B-08 | <u>高雄市市區公車路網與人口空間分佈之關係研究</u>
謝昆奇 |
| 1630-1650 | GG5-3B-09 | 從 Panoramio 社群媒體照片分析台北市街道的綠指數
許皓鈞 |
| 1650-1710 | GG5-3B-10 | 監視器密度與住宅竊盜熱點之相關性:以台北市為例
許添富 |
| 1710-1730 | GG5-3B-11 | <u>建立適用於預測城市之內人口流動的模型</u>
劉足 |

Session S4

工程地震學 Engineering Seismology

主持人：顏銀桐

1400-1600

Room 505

1400-1415	S4-3B-02	Shallow Velocity Structures of TSMIP Stations in Kaohsiung-Pingtung area, Taiwan 高屏地區強震站之淺層速度構造研究 林哲民、溫國樑、郭俊翔、黃雋彥
1415-1430	S4-3B-03	Significant Updates of EGDT 強震站工程地質資料庫之重要更新 郭俊翔、林哲民、溫國樑、謝宏灝
1430-1445	S4-3B-04	沈積層深度參數 Z1.0 對於地動預估式的影響 林柏伸、謝寶珊、郭俊翔、林哲民
1445-1500	S4-3B-05	The study with different parameters setting for the b value in the G-R law 地震規模與再現頻率關係式之參數研究 張志偉、劉勛仁、張彥汝、張毓文
1500-1515	S4-3B-06	應用 Zoneless 法評估台灣地區地震活動度之探討 劉勛仁、張志偉、簡文郁、張毓文
1515-1530	S4-3B-07	台灣地區機率式地震危害度分析的敏感度分析 謝寶珊、林柏伸、鄭錦桐
1530-1545	S4-3B-08	A study on the estimation of the near-field ground motion in Hualien. 花蓮地區近場之強地動估算 陳家立、張文彥
1545-1600	S4-3B-09	The Extended Stochastic Simulation Method : A Testing Validation for Three-component Acceleration Waveforms 隨機模擬法拓展於三分量波形模擬之檢核 顏銀桐、林彥宇、謝銘哲

5/19**星期四(Thursday)****上午(A.M)****Session U1****中華民國魚類學會暨亞洲魚類學會 2016 年會****2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists****主持人: Prof. Wei-Jen Chen 陳韋仁****0900-1300****Room 401**

0900-0910	Opening Ceremony	
0910-0940	U1-4A-01	Fish Biodiversity and its Conservation in Taiwan Prof. Kwang-Tsao Shao 邵廣昭
0940-1010	U1-4A-02	Comparative physiology of fish in coping with acidified environment Prof. Pung-Pung Hwang 黃鵬鵬
1010-1030	Break and Poster Session	
1030-1100	U1-4A-03	Consideration of a Revised Classification of Cypriniformes Prof. Richard Mayden
1100-1130	U1-4A-04	Metabarcoding environmental DNA from fishes using universal primers MiFish: A data-driven approach for fish community research Dr. Masaki Miya
1130-1200	U1-4A-05	Life history traits and exploitation affect the spatial mean-variance relationship in fish abundance Prof. Chih-Hao Hsieh 謝志豪
1200-1300	Lunch	

Session OBE1, OBE4, GO2**熱帶邊緣海的海洋學：南海****Oceanography of tropical marginal seas: The South China Sea****主持人:Fuh-Kwo Shiah 夏復國****0900-1030****Room 402a**

0900-0915	OBE1-4A-01	Observations of modern planktonic foraminifera: A decadal contrast in the South China Sea LIN HUI LING 林慧玲
0915-0930	OBE1-4A-02	微微型浮游生物在南海時序研究站 SEATS 的 24 小時豐度變化 Fuh-Kwo Shiah 夏復國
0930-0945	OBE1-4A-03	Coastal hypoxia diminished by intrusion of open ocean water after long El Nino Events: Case study of Hong Kong waters

大會資訊

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壁報 POSTER

0945-1000	OBE4-4A-07	Hon-Kit Lui 雷漢杰 Environmental and dispersal processes in marine bacterial versus protistan community assembly 環境與擴散過程在海洋細菌及原生生物群落構建中之作用
1000-1015	GO2-4A-01	Wenxue Wu 吳文學 海洋學門資料庫成果報告
1015-1030	OBE1-4A-04	MingDa Chiou 邱銘達 暖化降低生態系統的穩健性 Chun-Wei Chang 張俊偉

Session PO2, GO2

物理海洋現場觀測與理論海洋分析

Field observation and theoretical analysis in physical oceanography

主持人:Shih-Nan Chen 陳世楠

0900-1030

Room 402b

0900-0915	PO2-4A-01	Mechanism of Turbulence Production in Non-Breaking Ocean Surface Waves 無破碎海洋波浪生成紊流的機制 Wu-ting Tsai 蔡武廷
0915-0930	PO2-4A-02	Stability of bottom-attached, buoyant coastal current Shih-Nan Chen 陳世楠
0930-0945	PO2-4A-03	Tidally Driven Water Exchange of Dongsha Atoll 東沙環礁之潮流驅動水體交換 Shi-Ming Chen 陳世明
0945-1000	PO2-4A-04	近表層強流觀測及其應用 Yu-Chia Chang 張育嘉
1000-1015	GO2-4A-02	應用大數據分析技術 Apache Spark 於巨量海洋資料分析：評估與效能分析 Evlis Hsin-Hui Wu 吳信輝
1015-1030	GO2-4A-03	以雲端運算和大數據技術為基礎建立新一代分散式海洋資料庫架構與資源探索服務：概念與實作 Evlis Hsin-Hui Wu 吳信輝

Session OBE3

海洋化學

Chemical Oceanography

主持人:Kuo-Tung Jiann 簡國童

0900-1030

Room 402c

0900-0915	OBE3-4A-01	Geochemical evidence of the indirect pathway of terrestrial particulate material transport to the Okinawa Trough 陸源物質通過間接途徑輸送至沖繩海槽的地球化學證據 Chen-Tung Arthur Chen 陳鎮東
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0915-0930	OBE3-4A-02	Arsenic speciation and diffusion flux in Danshuei Estuary sediments, Northern Taiwan Tien-Hsi Fang 方天熹
0930-0945	OBE3-4A-03	Molecular Weight Distribution of Dissolved Organic Phosphorus in Euphotic Zone at South China Sea Liang-Saw Wen 溫良碩
0945-1000	OBE3-4A-04	Deriving Biogenic Trace Metal Composition in Coastal Particulate Matter with Influence from Terrestrial Material Kuo-Tung Jiann 簡國童
1000-1015	OBE3-4A-05	Concurrent Diurnal Variations of High-molecular-weight Dissolved Arsenic and Organic Phosphorus in the Upper Euphotic Zone Chih-Ping Lee 李治平
1015-1030	OBE3-4A-06	Modern I-129 time series records from South China Sea corals 碘-129 來自中國南海珊瑚 George Burr 博爾

Session OBE4

海洋生物學、生物多樣性與漁業資源

Marine biology, biodiversity and fisheries resource

主持人: Meng-Hsien Chen 陳孟仙

0900-1030

Room 403

0900-0915	OBE4-4A-01	高屏峽谷及高屏溪沖淡水對蝦類幼生豐度之影響 Meng-Hsien Chen 陳孟仙
0915-0930	OBE4-4A-02	Pervasive mitochondrial pseudogenes in copepods 粒線體偽基因普遍存在於橈足類中 Ryuji Machida 町田龍二
0930-0945	OBE4-4A-03	氣候變遷對熱帶海域底棲蝦類多樣性之影響-以高屏溪口蝦類群聚8年時間序列變化為例 Hsu-Sen Chen 陳照森
0945-1000	OBE4-4A-04	Why did some nesting female can last longer than the others? 為何有的產卵母龜能夠活的長長久久? Cheng, I-Jiunn 程一駿
1000-1015	OBE4-4A-05	傳統禁忌+科學發現→蘭嶼飛魚自我管理：蘭嶼飛魚跨領域研究 Shui-Kai Chang 張水鏞
1015-1030	OBE4-4A-06	Giant squid, Architeuthis dux Steenstrup, 1857, a new record of squid from Taiwanese waters 臺灣周圍海域新紀錄種-大王魷魚(Architeuthis dux) Chuan-Wen Ho 何瓊紋

5/19**星期四(Thursday)****下午(P.M)****Session U1-S3**

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists

主持人: Prof. Pung-Pung Hwang 黃鵬鵬

Session 3: Molecular biology and Physiology**1300-1530****Room 402a**

1300-1320	U1-4B-01	The testis is a primary factor affects the ovary development in protandrous black porgy, <i>Acanthopagrus schlegelii</i> Prof. Guan-Chung Wu 吳貫忠
1320-1335	U1-4B-02	Effects of Temperature and Diets in Gastric Digestion of Hybrid Grouper Prof. Mazlan Abd. Ghaffar
1335-1350	U1-4B-03	Near-future level of CO ₂ -driven seawater acidification effects on larval development and homeostasis in medaka Prof. Yung-Che Tseng 曾庸哲
1350-1405	U1-4B-04	A novel function of calcitonin gene-related peptide in body fluid Cl ⁻ homeostasis Ms. Yi-Fang Wang 王怡方
1405-1420	U1-4B-05	Transcriptome analysis of body color formation in the juvenile tomato anemonefish, <i>Amphiprion frenatus</i> Dr. En-Liang Lau 劉恩良
1420-1435	U1-4B-06	Transcriptome profiling of genes in association with photoperiod-induced sexual maturation in male three-spined stickleback (<i>Gasterosteus aculeatus</i>) Prof. Yi-Ta Shao 邵奕達
1435-1440	U1-4B-07	Physiological stress response and transcriptional regulation of growth-related genes in grouper (<i>Epinephelus coioides</i>) under short-term sublethal ammonia exposure Mr. Jyun-Jiang Jhang 張俊江
1440-1445	U1-4B-08	Differences of cold-induced mitochondrial biogenesis in livers between fresh water- and seawater-acclimated medaka, <i>Oryzias dancena</i> Mr. Bo-Han Chen 陳柏翰
1445-1450	U1-4B-09	Salinity effects on osmoregulation and energy supply to Na ⁺ -K ⁺ -ATPase in gills of euryhaline teleosts Mr. Meng-Han Chung 鍾孟翰
1450-1455	U1-4B-10	The discovery of <i>foxl2</i> and <i>foxl3</i> paralogs in Japanese eel, <i>Anguilla japonica</i> : genes expression during gonadal sex differentiation Ms. Shu-Fen Huang 黃淑芬
1455-1500	U1-4B-11	The oocyte adapts the testicular environment by <i>figla</i> -dependent signaling in protandrous black porgy, <i>Acanthopagrus schlegelii</i> Ms. Wei-Lun Kuo 郭惟綸
1500-1530	Break and Poster Session	

Session U1-S2**中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists****主持人: Prof. Shih-Syong Liang 梁世雄****Session 2: Ecology, Life History, Fisheries, and Conservation
1300-1530 Room 402b and 402c**

1300-1320	U1-4B-12	Summer variation of fish larvae assemblages in the coastal waters off the Changjiang River estuary, East China Sea Prof. Ming-An Lee 李明安
1320-1335	U1-4B-13	Habitat Factor Selection for Dominant Benthic Fishes from Upper Longchuanjiang River in West Yunnan, China Prof. Xu Li 李旭
1335-1350	U1-4B-14	Where have all the young fishes gone? Limited recruitment of coral reef fishery species in tropical Taiwan Ms. Siobhan Jean Heatwole
1350-1405	U1-4B-15	Size composition and gonadosomatic index of rosy seabass (<i>Doederleinia berycoides</i>) caught by bottom longline fishery in waters off eastern Taiwan Mr. Yun-Hui Wu 吳允暉
1405-1420	U1-4B-16	Preliminary study of population size and distribution of sharp-tooth lemon shark (<i>Negaprion acutidens</i>) around the nearshore water of Dongsha Island in the South China Sea Prof. Yu-Yun Chen 陳餘鏗
1420-1435	U1-4B-17	Population genetic analysis of an endangered bitterling <i>Tanakia tanago</i> by means of mtDNA sequencing special reference to characterization of newly found populations Dr. Kenji Saitoh
1435-1440	U1-4B-18	The relationship between morphological variation and resource use of the cyprinid <i>Pseudogobio esocinus</i> in the Lake Biwa system Ms. Chiharu Endo
1440-1445	U1-4B-19	The endocrinal responses to long-term acoustical stress in milkfish (<i>Chanos chanos</i>) Mr. Chih-An Wei 魏志安
1445-1450	U1-4B-20	Natural signatures in scales use for determination the origin of red snapper, <i>Lutjanus argentimaculatus</i> Ms. Chian-Yu Lu, 陸芊妤
1450-1455	U1-4B-21	Use otoliths to preliminary analyze mangrove red snapper population structure around Taiwan Ms. Wan-Jhen Jiang 蔣宛臻
1455-1500	U1-4B-22	Can we use a North American piscivorous fish to examine a highly complicated mimicry relationship in South America? Mr. Shu-Hao Li 李書豪
1500-1530	Break and Poster Session	

Session U1-S2

中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists

主持人: Dr. Kenji Saitoh

Session2: Ecology, Life History, Fisheries, and Conservation

1530-1700

Room 402b and 402c

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| 1530-1545 | U1-4B-23 | Exploring adaptive and plastic variability in growth and maturation for the cutlassfish <i>Trichiurus japonicus</i> in subtropical Pacific
Prof. Hui-Yu Wang 王慧瑜 |
| 1545-1600 | U1-4B-24 | Local adaption and maternal effects determine variation of egg traits for a subtropical cutlassfish, <i>Trichiurus japonicus</i>
Ms. Ying-Shiuan Chen 陳穎萱 |
| 1600-1615 | U1-4B-25 | DNA Barcoding of Fisheries Catch to Reveal Composition and Distribution of Cutlassfishes in the Taiwan Coast
Prof. Hsiu-Chin Lin 林秀瑾 |
| 1615-1630 | U1-4B-26 | Using habitat and life-history traits to predict the successful establishment of exotic freshwater fishes in Taiwan
Prof. Shih-Hsiung Liang 梁世雄 |
| 1630-1645 | U1-4B-27 | The food preference of two morphotypes of <i>Neolissochilus soroides</i> (Teleostei: Cyprinidae) from a small tropical stream, Gombak River of Malaysia
Dr. M. Z. Khaironizam |
| 1645-1700 | U1-4B-28 | Feeding habit of the finless porpoise (<i>Neophocaena phocaenoides</i>) in Taiwanese waters
Ms. Ciao-Yun Hung 洪巧芸 |
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Session U1-S1

中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists

主持人: Prof. Shih-Hsiung Liang 梁世雄

Session 1: Diversity, Taxonomy and Systematics

1300-1530

Room 403

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| 1300-1320 | U1-4B-29 | Molecular phylogenetics of Asian mastacembelids using a multi-locus approach
Prof. Siti Azizah Mohd Nor |
| 1320-1335 | U1-4B-30 | Fish collection of the National Museum of Nature and Science making contribution to biomimetic databases
Dr. Keiichi Matsuura |

1335-1350	U1-4B-31	Utilization of DNA Barcode Analysis in Species Discovery of the genus <i>Hemirhamphodon</i> Mr. Lim Hong Chiun
1350-1405	U1-4B-32	Systematics of Flyingfishes (Teleostei: Exocoetidae) in the Northwestern Pacific Ocean Mr. Chang-En Chou 周常恩
1405-1420	U1-4B-33	Taxonomic study of cyprinid fish genus <i>Poropuntius</i> Smith, 1931 in Peninsular Malaysia Mr. Muhammad Rasul Abdullah Halim
1420-1435	U1-4B-34	A new Nemacheilid fish form Salween River basin, Thailand (<i>Pisces: Ostariophysi: Nemacheilidae</i>) Dr. Apinun Suvarnaraksha
1435-1440	U1-4B-35	Phylogeny of the Cypselurinae based on mitochondrial DNA sequences Mr. Chang-En Chou 周常恩
1440-1445	U1-4B-36	Delineating taxonomic boundaries in <i>Mugil cephalus</i> spp. of the North West Pacific Dr. Jean-Dominique Durand
1445-1530	Break and Poster Session	

Session U1-S1

中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists
主持人: Dr. Keiichi Matsuura

Session1: Diversity, Taxonomy and Systematics

1530-1645

Room 403

1530-1545	U1-4B-37	Molecular phylogeny of genera <i>Garra</i> and <i>Placocheilus</i> (Teleostei: Cypriniformes: Cyprinidae) Prof. Wei Zhou 周偉
1545-1600	U1-4B-38	Redescription of <i>Sinocyclocheilus cyphotergous</i> (Dai) 1988, a rare and weird cavefish species distributed in China (Cypriniformes: Cyprinidae) Ms. Jinqing Huang 黃金清
1600-1615	U1-4B-39	<i>Fundrus virescens</i> Temmink and Shlegel, 1846, a senior synonym to <i>Aphyocypris chinensis</i> Günther, 1868 (Teleostei; Cyprinidae) Prof. Kazumi Hosoya
1615-1630	U1-4B-40	<u>Genetic connectivity analysis implies the Yangtze River a vicariant barrier for <i>Tridentiger barbatus</i> (Teleostei, Gobiidae)</u> Prof. Te-Yu Liao 廖德裕
1630-1645	U1-4B-41	Taxonomic studies and life-history patterns of gobiid genus, <i>Rhinogobius</i> Gill, 1859 from Fujian Province, southern China and Taiwan islands Prof. I-Shiung Chen 陳義雄

5/20**星期五(Friday)****上午(A.M)****Session U1-S7****中華民國魚類學會暨亞洲魚類學會 2016 年會****2016 Annual meeting of the Ichthyological Society of Taiwan and
the Asian Society of Ichthyologists****主持人: Dr. Jawad Abdelkrim****Session 7: Genomics and Population genetics****0900-1030****Room 402a**

0900-0920	U1-5A-01	Transcriptome-based exon capture phylogenomics: a practical approach to resolve deep relationships Dr. Jawad Abdelkrim
0920-0935	U1-5A-02	The genetic diversity and population structure of the rock bream; <i>Oplegnathus fasciatus</i> Dr. Yong-Shuang Xiao 肖永双
0935-0950	U1-5A-03	Biogeographic patterns of tire track eel, <i>Mastacembelus favus</i> in Southeast Asia Mr. Jamsari Amirul Firdaus Jamaluddin
0950-0955	U1-5A-04	Repertoire of vomeronasal type 2 receptor-like (OlfC) genes from ocean to freshwater eels Dr. Tzi-Yuan Wang 王子元
0955-1000	U1-5A-05	Characterization of olfactory receptors in 35 fishes by whole genome analysis Mr. Jinn-Jy Lin 林進之

Session U1-S5**中華民國魚類學會暨亞洲魚類學會 2016 年會****2016 Annual meeting of the Ichthyological Society of Taiwan and
the Asian Society of Ichthyologists****主持人: Dr. Francesco Santini****Session 5: Evolution and Biogeography****1030-1315****Room 402a**

1030-1045	U1-5A-06	Macro and microevolution of the anchovy genus <i>Engraulis</i> (Engraulidae), an important marine resource of the Indo-West Pacific region Dr. Sebastien Lavoue
1045-1100	U1-5A-07	Early-branching euteleost relationships based on evidence from ultra-conserved elements: Concatenation and the coalescent model produce alternative hypotheses with high support Dr. Matthew A Campbell
1100-1115	U1-5A-08	Iran plateau, center of diversification for genus <i>Aphanius</i> (Cyprinodontidae) Dr. Mohammad Sadegh Alavi-Yeganeh

1115-1130	U1-5A-09	Identification of <i>Lutjanus</i> species in Malaysian fisheries catch reveals an unrecognized species of the yellow-lined snapper complex Mrs. Adibah Abu Bakar
1130-1145	U1-5A-10	Discrimination of amphidromous and landlocked forms of Ayu, <i>Plecoglossus altivelis</i> , by mitochondrial D-loop sequences Mr. Kei Wakimura
1145-1200	U1-5A-11	DNA barcoding of <i>Demogenys</i> provide further support of an ancient river connection in Sundaland Ms. Nurul Farhana Binti Samsudin
1200-1315	Lunch	

Session U1-S6

中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists
 主持人: **Dr. Kenzo Utsugi**

Session 6: Symposium of Fish Diversity of the Mekong River System 0900-1005 Room 402b

0900-0920	U1-5A-12	Introduction: Symposium on Fish Diversity of the Mekong River Basin Prof. Larry Page
0920-0935	U1-5A-13	Freshwater Fish Fauna in Cambodia Dr. Nam So
0935-0950	U1-5A-14	Larval drift in the Lower Mekong-Tonlesap System—a reason for the great diversity of fishes Dr. Kenzo Utsugi
0950-1005	U1-5A-15	Ichthyofauna and Sustainable Utilization of Fish Resources in Yunnan Lancangjiang River (The Upper Mekong) Prof. Wei Zhou 周偉
1005-1030	Break and Poster Session	

Session U1-S6

中華民國魚類學會暨亞洲魚類學會 2016 年會
2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists
 主持人: **Prof. Larry Page**

Session 6: Symposium of Fish Diversity of the Mekong River System 1030-1315 Room 402b

1030-1045	U1-5A-16	Seasonal variation in species composition and diversity of fish in a related of the Mekong gorge and the Mun River Basin Dr. Chaiwut Grudpan
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1045-1100	U1-5A-17	Zoogeographic Crossroad evidence between the Chao Phraya Basin/Eastern Gulf of Thailand Drainages Freshwater Ecoregion and the Mekong Basin Dr. Chavalit Vidthayanon
1100-1115	U1-5A-18	The diversity and replicated adaptive radiations of Poropuntiini (Cyprininae, Cyprinidae) in the Mekong Gorge area, Thailand Dr. Jarungjit Grudpan
1115-1130	U1-5A-19	An endeavor for fish diversity conservation in the Lao Mekong Basin Mr. Bounthob Praxaysombath
1130-1145	U1-5A-20	Fishes fauna of the Mekong Delta with an insight into a role of brackish water areas Dr. Tran Dac Dinh
1145-1200	U1-5A-21	High genetics diversity of blackhand paradise (<i>Polynemus milanochir</i> , Bleeker 1852) populations in Mekong Delta, suggest adaptation to environmental change Mrs. Vu Dang Ha Quyen
1200-1315	Lunch	

Session U1-S2

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists

主持人: Prof. Ming-An Lee 李明安

Session2: Ecology, Life History, Fisheries, and Conservation**0900-1030****Room 402c**

0900-0920	U1-5A-22	Size, age, growth and sex ratio of Pacific bluefin tuna (<i>Thunnus orientalis</i>) on the spawning ground of northwestern Pacific Ocean Prof. Jen-Chieh Shiao 蕭仁傑
0920-0935	U1-5A-23	Swimming behavior of blue marlin (<i>Makaira nigricans</i>) in the Kuroshio Current in the East and South China Seas determined using pop-up satellite archival tags Dr. Wei-Chuan Chiang 江偉全
0935-0950	U1-5A-24	Some biological parameter of bullet tuna (<i>Auxis rochei</i>) in Indian Ocean at Western part of Sumatera, Indonesia Dr. Ali Suman
0950-1005	U1-5A-25	Vision-related functional traits reveal the feeding ecology in deep-sea fishes Dr. Ming-Tsung Chung 鍾明宗
1005-1030	Break and Poster Session	

Session U1-S1

中華民國魚類學會暨亞洲魚類學會 2016 年會
**2016 Annual meeting of the Ichthyological Society of Taiwan and the
 Asian Society of Ichthyologists**
 主持人: Prof. Zohrah Sulaiman

Session1: Diversity, Taxonomy and Systematics**0900-1030****Room 403**

0900-0920	U1-5A-26	Elasmobranch taxonomy in the era of molecular genetics Dr. Philippe Borsa
0920-0935	U1-5A-27	Reef fish community diversity and its relationship with environmental factors in Weizhou Island, Guangxi, China Mr. Qi Zou 邹琦
0935-0950	U1-5A-28	The ichthyofauna of Yonaguni Island, off eastern Taiwan: 369 new records of fishes with notes on distributional implications Dr. Keita Koeda
0950-1005	U1-5A-29	Systematics and biodiversity of eels (orders Anguilliformes and Saccopharyngiformes) of Taiwan Dr. Hsuan-Ching Ho 何宣慶
1005-1030	Break and Poster Session	

Session U1-S1

中華民國魚類學會暨亞洲魚類學會 2016 年會
**2016 Annual meeting of the Ichthyological Society of Taiwan and
 the Asian Society of Ichthyologists**
 主持人: Dr. Philippe Borsa

Session1: Diversity, Taxonomy and Systematics**1030-1315****Room 403**

1030-1045	U1-5A-30	Molecular systematics of the Indo-West Pacific sciaenids Ms. Pei-Chun Lo 羅珮純
1045-1100	U1-5A-31	Species identification and molecular phylogeny of croakers using partial mitochondrial 16s rDNA sequences from Peninsular Malaysia waters Mr. Norhafiz Hanafi Bin Ahmad Shah
1100-1115	U1-5A-32	Taxonomic Revision of Taiwan Sciaenidae with a Note on Seasonal Variation along Yun-Lin Coast Ms. You-Yu Liou 劉又瑜

1115-1130	U1-5A-33	Sound characteristics and spatiotemporal variability of Sciaenidae in the coastal water of northwestern Taiwan Mr. Po-Wei Huang 黃柏歲
1130-1145	U1-5A-34	Trawl fish diversity near non-marine park, Bidong Island, Terengganu, Peninsular Malaysia Dr. Seah Ying Giat
1145-1200	U1-5A-35	Comparative study on genetic structure of selected food fish populations in waters off Borneo and Galapagos Islands Prof. Zohrah Sulaiman
1200-1315	Lunch	

Session PO1

黑潮之物理與生地化過程及其與臨接海域的交互作用

Kuroshio associated physical and biogeochemical processes and interactions with adjacent saea

主持人: Zhe-Wen, Zheng 鄭志文

0830-1000

Room 501

0830-0845	PO1-5A-01	Multiple time scale dynamics of the Kuroshio variability 黑潮之多重時間尺度變異 CHAU-RON WU 吳朝榮
0845-0900	PO1-5A-02	西北太平洋渦漩分布與對黑潮的影響 Chung-Ru Ho 何宗儒
0900-0915	PO1-5A-03	Response of upper ocean cooling off northeastern Taiwan to typhoon passages 颱風通過引起台灣東北海域異常冷卻之研究 Zhe-Wen, Zheng 鄭志文
0915-0930	PO1-5A-04	宜蘭海脊上黑潮流域內的非線性內波 Yiing Jang Yang 楊穎堅
0930-0945	PO1-5A-05	A post-typhoon interleaving in the intermediate layers of the western Philippine Sea Pai Su-Cheng 白書禎
0945-1000	PO1-5A-06	Influence Of Impinging Mesoscale Eddies On The Kuroshio Transport Inferred From A Zonal And Meridional Array Of Pressure Recording Inverted Echo Sounder Vigan Mensah 孟偉安

Session PO1, OBE4

黑潮之物理與生地化過程及其與臨接海域的交互作用

Kuroshio associated physical and biogeochemical processes and interactions with adjacent saea

主持人: Ming-Huei Chang 張明輝

1030-1200

Room 501

1030-1045	PO1-5A-07	Kuroshio-eddy interaction east of Taiwan: Observations and numerical study 黑潮與渦旋在臺灣東方海域之交互作用：觀測與數值研究 Sen Jan 詹森
1045-1100	PO1-5A-08	應用移動載具水聲層析於綠島尾渦流之觀測 Chen-Fen Huang 黃千芬
1100-1115	PO1-5A-09	Large Kelvin–Helmholtz Billow Trains Observed in the Kuroshio Above a Seamount 黑潮流域上切變不穩定波之觀測 Ming-Huei Chang 張明輝
1115-1130	PO1-5A-10	以漂流浮球陣列觀測技術研究黑潮邊界對近岸流場之影響 Hwa Chien 錢樺
1130-1145	PO1-5A-11	黑潮之固氮生物及其對海洋生產力之貢獻 Yuh-ling Lee Chen 李玉玲
1145-1200	OBE4-5A-06	專性與兼性共生的具異細胞固氮藍綠藻在黑潮暖季之消長 Sing-how Tuo 托星豪

Session RE4, MG2

天然氣水合物資源調查

大陸礁層與天然氣水合物研究

Gas Hydrate Investigation

Continental shelf and gas-hydrate survey

主持人: 張翠玉/陳松春

0830-1000

Room 502

0830-0845	RE4-5A-01	由海底地震儀資料探討永安海脊沉積層波速構造及天然氣水合物穩定帶分布 Cheng, win-bin 鄭文彬
0845-0900	RE4-5A-02	Geological framework and Gas Hydrate potential in lower Gaoping Slope off SW Taiwan 台灣西南海域高屏下部斜坡區之地質特性與天然氣水合物潛能 Liang-Fu Lin 林亮甫

大會資訊

5 / 16 (MON.)

5 / 17 (TUE.)

5 / 18 (WED.)

5 / 19 (THU.)

5 / 20 (FRI.)

壁報 POSTER

0900-0915	RE4-5A-03	Zero-offset Ray Simulation with Application of Time-Depth Conversion and Interpretation in lower Fangliao basin 3D seismic data 零支距波線模擬於疊後剖面時深轉換、應用於下枋寮海盆三維震測資料之沉積地質解釋 Chih-Wei Chen 陳致璋
0915-0930	RE4-5A-04	Influence on Geomechanical Response of the Yuan-An Ridge Hydrate Deposits due to Gas Production 岩石力學機制對於永安海脊天然氣水合物生產之影響 Yung-Cheng Chiu 邱詠程
0930-0945	MG2-5A-05	台灣西南海域福爾摩沙海脊和四方圈合構造之地熱探測 Hsieh-Tang Chiang 江協堂
0945-1000	MG2-5A-06	The modern Kaoping Fan off SW Taiwan: Morphotectonics and development Cheng-Shing Chiang 蔣正興

Session PO4

台灣海峽中物理、生地化過程之時空變化和源-匯的研究
Spatial and temporal variability in physical, biogeochemical, and the source-to-sink processes in the Taiwan Strait
 主持人: James T. Liu 劉祖乾

1030-1200

Room 502

1030-1045	PO4-5A-01	The Origin and Fate of Biogenic Particles in Summer Trans-China Sea Transport 夏季跨中國海傳輸中生物源顆粒的來源和宿命 James T. Liu 劉祖乾
1045-1100	PO4-5A-02	The impact of transboundary contribution of atmospheric pollutants at Kaohsiung coastal area in Southwestern Taiwan 空氣污染物跨境傳輸貢獻對南台灣高雄海岸地區的影響 Chon-lin Lee 李宗霖
1100-1115	PO4-5A-03	Development of sand bodies in the foreland basin: from viewpoint of Taiwan Strait 前陸盆地遠端砂體的發育：以台灣海峽為例 Jih-Hsin Chang 張日新
1115-1130	PO4-5A-04	Effect of mesoscale eddies on the Taiwan Strait Current 中尺度渦旋對台灣海峽海洋之影響 Yu-Lin Eda Chang 張育綾

1130-1145	PO4-5A-05	Effects of sediment source-sink dynamics on deep-sea benthos in the submarine canyon 高屏峽谷源匯過程對深海底棲生物之影響 Chih-Lin Wei 魏志瀧
1145-1200	PO4-5A-06	九龍江河口之陸海交互作用 Ray T. Hsu 許敦睿

Session GO1

近海與海岸環境

Land-Ocean Interactions in the Changing Coastal Zones of Taiwan: Scientific Basis and Societal Engagements [LOICCCZ-Taiwan]

主持人: Hwa Chien 錢樺

0830-1000

Room 503

0830-0845	GO1-5A-01	近岸水體中污染物質混合與擴散特徵之 Lagrangian 觀測與分析 Hwa Chien 錢樺
0845-0900	GO1-5A-02	發展自主式水下無人載具於近岸環境調查技術與資料分析處理系統-以大鵬灣潟湖為例 Kai-Jung kao 高愷嶸
0900-0915	GO1-5A-03	Evidence of rising and poleward shift of storm surge in western North Pacific due to climate warming 全球暖化導致北太平洋暴風潮向北極位移之證據 Simon Chou 周宗徹
0915-0930	GO1-5A-03	應用雷達衛星與海洋水色衛星評估颱風引發暴雨事件對近岸與海洋環境之影響-以 2013 年 Soulik 颱風為例 Hsiao-Wei Chung 鍾曉緯
0930-0945	GO1-5A-04	Deterministic particle tracking simulation of pollutant discharges in tidal current 潮流中污染物排放之確定性質點追蹤模擬 Meng-Yu Lin 林孟郁
0945-1000	GO1-5A-05	Use of the Kriging Technique to Interpolate the Ocean Surface Drifter Trajectories 應用克利金技術內插海洋表面浮標軌跡之研究 CHEN, HSIEN-WEN 陳先文

Session GO1, OBE1

近海與海岸環境

Land-Ocean Interactions in the Changing Coastal Zones of Taiwan:
Scientific Basis and Societal Engagements [LOIC CZ-Taiwan]

主持人: Wen-tseng Lo 羅文增

1030-1200

Room 503

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|-----------|-----------|---|
| 1030-1045 | GO1-5A-06 | Comparison of PAH Composition and Distribution in the Coastal Waters of the Kaoping River and Kaohsiung Harbor
比較在高屏溪及高雄港外海之多環芳香烴組成與分佈變化
Fung-Chi Ko 柯風溪 |
| 1045-1100 | GO1-5A-07 | Effect of climate and human activities on the distribution of zooplankton in the waters southwest of Taiwan
氣候及人類活動對台灣西南沿近海域浮游動物群聚分布之影響
Wen-tseng Lo 羅文增 |
| 1100-1115 | GO1-5A-08 | 高屏海域中深水層仔稚魚之物種組成研究
Hsieh Hung-Yen 謝泓諺 |
| 1115-1130 | GO1-5A-09 | A Numerical Study on the Biogeochemical Effect of Nonlinear Internal Wave in Dongsha Area
以數值模擬探討東沙附近非線性內波的生化響應
Guan-Yu Chen 陳冠宇 |
| 1130-1145 | GO1-5A-10 | Dissipation of colony-scale turbulent wakes in a shallow coral reef
淺水區珊瑚礁叢集尺度的尾流消散特性
Zhi-Cheng Huang 黃志誠 |
| 1145-1200 | GO1-5A-11 | Preliminary study on active and passive fluxes of carbon, nitrogen and phosphorus in the northern South China Sea
北南海碳氮磷主動與被動傳輸之初步研究
Jia-Jang Hung 洪佳章 |

Session OBE2

全球變遷對西北太平洋臺灣海域
海洋生物地球化學與生態系統影響之長期觀測與研究
**Effects of Global Change on Ocean Biogeochemistry and
Ecosystems in the Seas Surrounding Taiwan in the Northwest Pacific**
主持人: Gwo-Ching Gong 龔國慶

0830-1000

Room 505

0830-0845	OBE2-5A-01	Effects of Extremely Atmospheric Conditions on the Very High Productive Area of the East China Sea 極端大氣作用對東海的影響 Gwo-Ching Gong 龔國慶
0845-0900	OBE2-5A-02	夏季長江水舌異常轉向南方現象之探討 Hung-Jen Lee 李宏仁
0900-0915	OBE2-5A-03	A comparison between field and laboratory pH measurements for seawater on the East China Sea shelf Wen-Chen Chou 周文臣
0915-0930	OBE2-5A-04	Wind-induced variations of water surface carbon dioxide across the Chesapeake Bay 風引起的表水二氧化碳橫跨乞沙比克灣之變化 Wei-Jen Huang 黃蔚人
0930-0945	OBE2-5A-05	Plankton community respiration in the East China Sea 東海陸棚浮游生物群聚呼吸率之研究 Chung-Chi Chen 陳仲吉
0945-1000	OBE2-5A-06	Ocean variations in relate to catch rates and distributions of Swordtip squid (Uroteuthis edulis) of Stick-Helddip Net fishery in the northeastern waters of Taiwan 海洋環境變動對臺灣東北部海域棒受網漁業劍尖槍鎖管捕獲率與分布關係之研究 Kuo-Wei Lan 藍國璋

大會資訊

5 / 16 (MON.)

5 / 17 (TUE.)

5 / 18 (WED.)

5 / 19 (THU.)

5 / 20 (FRI.)

壁報 POSTER

Session OBE2

全球變遷對西北太平洋臺灣海域

海洋生物地球化學與生態系統影響之長期觀測與研究

**Effects of Global Change on Ocean Biogeochemistry and
Ecosystems in the Seas Surrounding Taiwan in the Northwest Pacific**

主持人: Chin-hao Hsieh 謝志豪

1030-1200

Room 505

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|-----------|------------|---|
| 1030-1045 | OBE2-5A-07 | <u>Interactive regulation of nutrient utilization genes caused by nitrogen and phosphorus concentrations in marine diatoms</u>
<u>氮磷濃度對矽藻營養鹽吸收利用基因的交互調控</u>
Jeng Chang 張正 |
| 1045-1100 | OBE2-5A-08 | <u>冬季亞熱帶黑潮水域真核超微浮游植物組成多樣性分析</u>
Chih-Ching Chung 鍾至青 |
| 1100-1115 | OBE2-5A-09 | <u>Evaluating the Relationship between 18S rRNA/rDNA Ratio and Population Growth in Marine Phytoplankton</u>
<u>浮游植物 18S rRNA/18S rDNA 與成長狀態之關係</u>
Yun-Chi Lin 林芸琪 |
| 1115-1130 | OBE2-5A-10 | <u>Metatranscriptome analysis of nitrogen uptake-related genes in dominated diatoms inhabiting Keelung islet waters</u>
<u>利用多源全轉錄體 (metatranscriptome) 剖析基隆嶼海域優勢矽藻細胞內的氮吸收相關基因表現</u>
Chi-Yu Shih 時繼宇 |
| 1130-1145 | OBE2-5A-11 | <u>夏季東海海域鈣板藻群聚分佈與水團之關係</u>
Lee-Kuo Kang 康利國 |
| 1145-1200 | OBE2-5A-12 | <u>Relative dominance of Cyanobacteria versus Proteobacteria determines bacterioplankton diversity and species abundance distribution in the East China Sea</u>
Chin-hao Hsieh 謝志豪 |

Session U1

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists

主持人: Prof. Siti Azizah Mohd Nor

1530-1710**Room 401**

1530-1600	U1-5B-01	Freshwater Fishes of China Prof. Ya-Hui Zhao 趙亞輝
1600-1630	U1-5B-02	Marine biodiversity, biogeography, and conservation of the South China Sea in an Indo-West Pacific context Prof. Wei-Jen Chen 陳韋仁
1630-1700	U1-5B-03	The increasing role of natural history collections in understanding, appreciating and protecting biodiversity Prof. Larry Page
1700-1710	Closing Ceremony	

Session U1-S5

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the
Asian Society of Ichthyologists

主持人: Dr. Sebastien Lavoue

Session5: Evolution and Biogeography**1315-1530****Room 402a**

1315-1330	U1-5B-04	Evolution of trophic morphologies and diet in combtooth blennies (Blenniidae) Mr. Peter Hundt
1330-1345	U1-5B-05	Linking larval and adult populations of deep-sea eels using molecular markers: The case of <i>Congriscus</i> (Anguilliformes, Teleostei) Ms. Jhen-Nien Chen 陳貞年
1345-1400	U1-5B-06	Phylogenetic relationships of Neoscopelidae: with special emphasis on <i>Neoscopelus microchir</i> Ms. Amirah Binti Hurzaid
1400-1415	U1-5B-07	Are coral reefs driving diversification rates in jacks and allies (Carangoidei, Percomorpha)? Dr. Francesco Santini
1415-1430	U1-5B-08	The evolutionary history of rabbitfish (siganidae) with revised family taxonomy inferred from DNA barcodes and nuclear DNA analyses

Ms. Siti Zulaiha Zolkaply

1430-1445 U1-5B-09 ColMolPhy: a web-based collaborative cloud computing platform for data management and analysis of molecular phylogenetics

Dr. Elvis Hsin-Hui Wu 吳信輝

1445-1530 Break and Poster Session

Session U1-S4

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists

主持人: **Prof. GWO Jin-Chywan 郭金泉**

Session 4: IST presentations (in Chinese)

1530-1700

Room 402a

1530-1545 U1-5B-10 Oshima Masamitsu – the pioneer ichthyologist of Taiwan
Freshwater fish fauna

大島 正滿—研究台灣淡水魚類的先驅者

Prof. GWO Jin-Chywan 郭金泉

1545-1600 U1-5B-11 粗首鱨種群之粒線體基因族群遺傳研究

Mr. Po-Hao Chiu 邱柏豪

1600-1615 U1-5B-12 台灣產錦魚屬(*Thalassoma*)魚類之形態回顧

Ms. Pei-Lun Yen 顏珮倫

1615-1630 U1-5B-13 Species composition of *Coelorinchus* (Macrouridae) and age-growth of *C. leptorhinus* in the southeast water of Taiwan

Ms. Chieh-Hsi Lee 李杰熹

1630-1645 U1-5B-14 墾丁地區港口溪海龍亞科魚類之群聚研究

Ms. Ching-Ju Chen 陳靜儒

1645-1700 U1-5B-15 Discussion on the relationship between population density and habitat of Taiwan white minnow(*Parasbora moltrechti* Regan, 1908)

臺灣副細鯽(*Parasbora moltrechti* Regan, 1908)分布密度與棲地環境之關連性探討

Mr. Cheng-Hsiung Yang 楊正雄

Session U1-S6

中華民國魚類學會暨亞洲魚類學會 2016 年會

2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists

主持人: **Prof. Wei Zhou 周偉**

Session 6: Symposium of Fish Diversity of the Mekong River System

1315-1530

Room 402b

1315-1330 U1-5B-16 DNA barcoding of freshwater fish species in Vietnam

Mrs. Dang Thuy Binh

1330-1345	U1-5B-17	New Mekong wonders: six cyprinid species were recently declared from Vietnam Dr. Huy Duc Hoang
1345-1400	U1-5B-18	Taxonomy and distribution of family Cyprinidae in the upper Krong No River, Langbiang plateau Mr. Hung Manh Pham
1400-1415	U1-5B-19	Diversity of <i>Crossocheilus</i> (Cyprinidae: Labeonini), with a focus on species from the Mekong River basin Dr. Patrick Ciccotto
1415-1430	U1-5B-20	Horseface loaches <i>Acantopsis</i> (Teleostei: Cobitidae) of the Mekong River Basin Mr. David A. Boyd
1430-1530	Break and Poster Session	

Session PO2, PO3

物理海洋現場觀測與理論海洋分析 & 海氣交互作用

Field observation and theoretical analysis in physical oceanography & Atmospheric and oceanic sciences

主持人: Cheng-Chien Liu 劉正千

1315-1500

Room 501

1315-1330	PO2-5B-01	使用水聲層析網聲源信號提升自主式水下載具定位準確度之研究 Guo, Jenhwa 郭振華
1330-1345	PO2-5B-02	Geostationary Ocean Colour Imager (GOCI) data processing and web-based geospatial information system service 地球同步海洋水色衛星資料處理與網路空間資訊系統服務 Cheng-Chien Liu 劉正千
1345-1400	PO2-5B-03	Tomographic Reconstruction of Horizontal Current Fields using Empirical Orthogonal Functions Taniguchi Naokazu 谷口直和
1400-1415	PO2-5B-04	Generation of upwelling circulation under downwelling-favorable wind in the presence of buoyant coastal current 致沉流風場下湧升環流的生成機制 Sih-Yu Chen 陳思妤
1415-1430	PO3-5B-01	Tropical Cyclone-Ocean Interaction and Global Warming I-I Lin 林依依
1430-1445	PO3-5B-02	Right-side cooling and phytoplankton bloom in the wake of a tropical cyclone 熱帶氣旋過後所引起右側強烈降溫作用與藻類繁生之機制研究 Huang, Shih-Ming 黃士銘
1445-1500	PO3-5B-03	Embedding a one-column ocean model in CAM5 for

[improving Madden-Julian oscillation simulations
嵌入一維海洋模式到大氣模式中改善季內震盪的
模擬](#)

Yung-Yao Lan 藍詠耀

Session GO1

近海與海岸環境

Land-Ocean Interactions in the Changing Coastal Zones of Taiwan: Scientific Basis and Societal Engagements [LOICCCZ-Taiwan]

主持人: HSING-JUH LIN 林幸助

1315-1415
Room 503

1315-1330	GO1-5B-01	A framework for assessing risk of climate change impacts in Taiwan coastal ecosystems 臺灣沿岸生態系氣候變遷衝擊風險評估架構 HSING-JUH LIN 林幸助
1330-1345	GO1-5B-02	Investigation on the temporal and spatial variations of marine soundscape by unsupervised classification 應用非監督式分類方法調查海洋聲景的時空變化 Tzu-Hao Lin 林子皓
1345-1400	GO1-5B-03	The Impact Analysis on the Offshore Development of Marine Resources 離岸開發對海洋環境資源影響之研析 Yu-Chun Chiang 姜宜君
1400-1415	GO1-5B-04	Unpacking the Co-production of Knowledge in Adaptation to Climate Change: The Role of Local Knowledge in a Coastal City – Tainan, Taiwan 在地知識與氣候調適: 以沿海城市台南為例 Ho-Ching Lee 李河清

Session OBE2

全球變遷對西北太平洋臺灣海域

海洋生物地球化學與生態系統影響之長期觀測與研究

Effects of Global Change on Ocean Biogeochemistry and Ecosystems in the Seas Surrounding Taiwan in the Northwest Pacific

主持人: Kuo-Ping Chiang 蔣國平

1315-1500

Room 505

1315-1330	OBE2-5B-01	Light intensity as an indirect influence on the phagotrophy of mixotrophic nanoflagellates (Haptophyta) 混營性鞭毛蟲 (著鞭毛蟲) 的嗜菌力間接受到光強度的影響 Kuo-Ping Chiang 蔣國平
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1330-1345	OBE2-5B-02	Impact of short-term warming on seasonal variations in bacterial growth, grazing, and viral lysis in coastal waters of Taiwan 台灣沿岸水短暫加溫後對細菌成長率，被攝食率及被裂解率之季節變化 An-Yi Tsai 蔡安益
1345-1400	OBE2-5B-03	Comparison of oligotrich ciliate composition and abundance under two different methods 比較不同方法下寡毛亞綱纖毛蟲種類組成及數量變化 Tsai, Sheng-Fang 蔡昇芳
1400-1415	OBE2-5B-04	Organic nitrogen and carbon in atmospheric dry and wet depositions in the southern East China Sea 大氣乾濕沉降中有機氮和有機碳對南東海之影響 Hung-Yu Chen 陳宏瑜
1415-1430	OBE2-5B-05	Effects of Global Change on Ocean Biogeochemistry and Ecosystems in the Seas surrounding Taiwan in the Northwest Pacific (II): Modeling Studies of Soluble Iron and the Aerosol Acid Reactions 全球變遷因子對東海及西北太平洋黑潮海域水溶性鐵與大氣顆粒酸性反應影響的模擬分析 Tsai, Fujung 蔡富容
1430-1445	OBE2-5B-06	The relation between Chlorophyll concentration and aerosol explored by satellite data in the North Pacific 衛星資料探討北太平洋葉綠素濃度與氣膠的相關性 Shih-Jen Huang 黃世任
1445-1500	OBE2-5B-07	Anthropogenic influence on the northern South China Sea upper ocean nitrogen cycle recorded by Porites corals from Dongsha Atoll over the last 45 years Yi-Chi Chen 陳怡綺