



Workshop on Paleo-, Rock, and Environmental Magnetism: From Nano to Global Scales

(古地磁、岩石磁學及環境磁學研討會：從奈米至全球尺度)

Date: Monday, April 29, 2019 (2019年4月29日, 星期一)

Venue: Second floor, Lecture hall, Institute of Earth Sciences, Academia Sinica

(中央研究院地球科學所二樓演講廳)

Time	Speaker	Affiliation	Title
9:50-10:00	Sun-Lin CHUNG (鍾孫霖)	Institute of Earth Sciences, Academia Sinica	Welcome speech
10:00-11:00	Andrew P. ROBERTS	Research School of Earth Sciences, Australian National University	Taiwan as an outstanding natural laboratory for paleomagnetic and environmental magnetic studies (Keynote speech)
11:00-11:20 Break			
11:20-11:40	Yu-Min CHOU (周祐民)	Department of Ocean Science and Engineering, Southern University of Science and Technology	Stalagmite-based paleomagnetic record of the multidecadally-resolved post-Blake geomagnetic excursion
11:40-12:00	Chorng-Shern HORNG (洪崇勝)	Institute of Earth Sciences, Academia Sinica	Magnetic minerals in rocks/sediments and their relation to geologic processes and environmental changes
12:00-12:20	Ban-Yuan KUO (郭本垣)	Institute of Earth Sciences, Academia Sinica	Timing of rapid mountain building and a test of hypotheses for orogenesis in the Taiwan mountain belt: Evidence from magnetobiostratigraphy
12:20-14:00 Lunch			
14:00-14:20	Jian-Cheng LEE (李建成)	Institute of Earth Sciences, Academia Sinica	A two-stage rotation of arcuate fold-and-thrust belt in northern Taiwan: Results based on paleomagnetic study
14:20-14:40	Syu-Heng LAI (賴序衡)	Department of Earth Sciences, University of Oregon	Basin evolution constrained by high-resolution magneto-biostratigraphy and event marker beds in the southern Coastal Range of eastern Taiwan
14:40-15:00	En-Chao Yeh (葉恩肇)	Department of Earth Sciences, National Taiwan Normal University	Study of anisotropy of magnetic susceptibility and its applications to tectonic processes: Examples from the Taiwan mountain belt
15:00-15:20	Huai-Jen YANG (楊懷仁)	Department of Earth Sciences, National Cheng Kung University	Arsenic distribution in magnetic nodules from SW Taiwan offshore sediments: Inferences on arsenic release potential
15:20-15:50 Break			
15:50-16:10	Tsai-Luen Yu (余采倫)	Department of Geosciences, National Taiwan University	Understanding sulfur isotopic compositions of magnetic iron sulfide minerals in marine sediments offshore of SW Taiwan
16:10-16:30	Yen-Hua CHEN (陳燕華)	Department of Earth Sciences, National Cheng Kung University	Comparison of rock and mineral magnetism: A case study of basaltic rocks in Penghu islands, Taiwan
16:30-16:50	Andrew Tien-Shun LIN (林殿順)	Department of Earth Sciences, National Central University	Physical and magnetic properties of deep-sea sediments: Implications for sediment source-to-sink, extreme events, paleoclimates, and gas-hydrate resource potential
16:50-17:10	Yin-Sheng HUANG (黃尹聖)	Department of Earth Sciences, National Central University	Hydrothermal activity revealed by magnetic susceptibility anomalies from core sediments in the southern Okinawa Trough

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