### 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研究所二樓演講廳)

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

報名網址: [https://forms.gle/EG9fECm3VS55hx1pg8](https://forms.gle/EG9fECm3VS55hx1pg8)