

**EAGE**

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

CO-ORGANIZED BY



陽明交大  
**NYCU**

5TH ASIA PACIFIC MEETING ON

**NSGE**  
2022

NEAR SURFACE  
GEOSCIENCE &  
ENGINEERING

24-27 OCTOBER 2022 • TAIPEI, TAIWAN

**FIRST ANNOUNCEMENT**

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## TECHNICAL PROGRAMME COMMITTEE

Prof. Dr. Chih-Ping Lin (Chairman)	National Yang Ming Chiao Tung University
Koya Suto (Co-chairman)	Terra Australis Geophisica Pty Ltd
Dr. Avirut Puttiwongrak	Asian Institute of Technology (AIT)
Dr. Martin Brook	Auckland University (New Zealand)
Dr. Feng Zhou	China University of Geosciences (Wuhan)
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Dr. Koichi Hayashi	Geometrics
Dr. Mehmet Salih Bayraktutan	Erzurum University
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Dr. Andy Anderson Bery	Universiti Sains Malaysia (USM)
Dr. Victor Mocanu	University of Bucharest
Dr. Doan Huy Hien	Vietnam Association of Geophysicist (VAG)

## KEY DATES

Call for Abstract Open	7 March 2022
Call for Abstract Deadline	15 May 2022
Registration Open	15 July 2022

## ABOUT THE CONFERENCE

The European Association of Geoscientists and Engineers (EAGE) together with *Taiwan Geotechnical Society (TGS)* and *National Yang Ming Chiao Tung University, Taiwan* as the Co-Organizers are proud to announce that the 5th edition of Asia Pacific Meeting on Near Surface Geoscience and Engineering (NSGE) will take place in the beautiful *Taipei, Taiwan* from 24 - 27 October 2022. We look forward to welcoming all of you in Taipei this year!

## SUBMISSION TOPICS

### 1. Methods:

- Seismic Methods (Active & Passive) – reflection, refraction, surface waves, etc
- Microseismic Monitoring
- Potential Field Methods (gravity, magnetic)
- Electric, IP, EM, MT, MRS and NMR Methods
- Ground-penetrating Radar
- Other Geophysical Methods- radiometry, thermal, photometry, muon, etc
- Borehole Logging; borehole to surface and cross-hole tomographic methods
- Geophysical Modelling and Inversion
- Remote Sensing (satellite, airborne, UAV, robotics)
- AI/ML in Near-surface Geoscience and Engineering
- Geotechnical Testing, Modelling, and Data Analysis
- Integrated Approaches in Near-surface Geosciences and Geoengineering
- New Technologies in Sensors, Equipment, and Digitalisation (cloud computing, quantum computing, IoT, big data)

### 2. Application Areas:

- Hydrogeology and Groundwater
- Human Settlement and Infrastructure Development
- Contribution to Structural Design/Improvement
- Geohazards and Mitigation
- Near-surface Mineral Exploration, Mining, Excavation and Tunneling
- Petroleum Exploration- improving deep images by understanding near surface
- Shallow Marine Geoscience and Engineering
- Forensic Investigation
- Archaeology, Cultural Heritage, and Hazardous Old Mine Voids
- Agricultural, Medical and Environmental Geosciences
- Onshore/Offshore Wind Energy, Near-shore/Seabed Characteristics Investigation
- New and Green Energy Resources (solar, geothermal, etc)
- Dam & Levee Safety
- Watershed Management

