

# APCAMM

Asia-Pacific Coastal Aquifer Management Meeting



Due Date Extended Abstract:

**31 July 2023**

Link for submission:

<https://hydrogeology.hku.hk/apcamm2023/>

Registration link:

<https://forms.gle/HxqF6UpUUoaeDoKH7>

## 7TH ASIA PACIFIC COASTAL AQUIFER MANAGEMENT MEETING

**NATIONAL ENERGY  
CENTER @ UNITEN**

**21-24 August 2023**

**Jointly Organized by:**



**Collaborators:**

# Introduction



**The 2023 APCAMM will be held in Malaysia, an ideal location for the event due to its expansive coastline and diverse coastal aquifer systems. With many coastal areas in Malaysia heavily dependent on groundwater resources for daily use, the management of coastal groundwater issues has become a significant concern. The challenges faced by the country are compounded by issues such as over-extraction, pollution, and rising sea levels. To address these difficulties, Malaysia will host the APCAMM in 2023, which will bring together experts, policymakers, and community representatives to collaborate, share best practices, and develop innovative solutions for effective coastal aquifer management. This conference will enable coordinated efforts and partnerships aimed at addressing critical coastal groundwater issues, benefiting both Malaysia and international participants.**

# Venue



**The National Energy Centre (NEC) located at Universiti Tenaga Nasional (UNITEN) is an institution in Malaysia dedicated to research, development, and education in the field of energy. UNITEN is a leading Malaysian university specializing in energy and related disciplines. The NEC focuses on various aspects of energy, including renewable energy, energy efficiency, energy management, and sustainable development. Its primary goal is to contribute to the advancement and innovation of energy technologies and solutions that are environmentally friendly and economically viable. The center conducts research projects, collaborates with industry partners, and provides training and consultancy services in the energy sector. It serves as a platform for researchers, students, and professionals to exchange knowledge, explore new ideas, and develop practical solutions to energy-related challenges.**

# Field Visit



## 'Natural and Human Ecosystems'

The first artificial wetland in Malaysia and the biggest in the tropics are both where **Putrajaya Wetland Park** is situated. This park holds many unique things to explore with friends and family.

The 24 wetland cells that serve as natural water filters for water coming from Sungai Chua and Sungai Bisa before it is released into Putrajaya Lake are among the key attractions here. This cell is home to several aquatic animals, birds, fish, insects, and mammals and has been planted with more than 70 plant species. Due to its distinctive natural features, this park is a great place to go camping, nature-exploring, and other activities.

Attraction : <https://www.ppj.gov.my/en/second-menu/taman-wetland>

- Distant Lookout Tower
- Flamingo Pool
- Nature Appreciation Center
- Cell @ Rawang Wetland

# Themes:

- 01 Groundwater numerical modelling in coastal setting . . . .
- 02 Groundwater-surface water interactions . . . .
- 03 Groundwater management . . . .
- 04 Coastal groundwater environment and ecosystem . . . .
- 05 Climate change affecting groundwater . . . .
- 06 Research and case study in groundwater resource . . . .
- 07 Groundwater pollution and contamination . . . .

# Workshop/Dialogue:

01

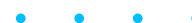
## Advanced Geophysical Techniques for Groundwater Exploration



- This workshop will discuss the latest geophysical techniques for groundwater exploration.
- This workshop will be guided by industry experts as well as from academia.
- Fee: RM 250 for full day

02

## Introduction to Geological and Groundwater Modelling



- This workshop is introduction for beginners in digital geological and groundwater modelling.
- This workshop will be guided by industry experts using available commercial software (rockworks and visual modflow flex).
- Fee: RM 200 for full day

03

## Dialogue on Understanding Aquifer System for Sustainable Groundwater Resource Management



- The focus of this dialogue is to discuss on how aquifer system being understood and how sustainable groundwater resource being managed in developed countries.
- The panelists will be the international and local experts and practitioners.
- Fee: Free admission (first come first serve due to limited seats)

# International Workshop:

04

## Understanding and Modelling Coastal Aquifer



- Topics:
  - A general introduction to coastal groundwater.
  - Description of coastal processes (e.g., freshwater-seawater distribution in coastal aquifers, sea-level rise and tidal effects, SGD, and pumping effects).
  - Analytical methods for freshwater distribution in coastal aquifers (simple mathematical tools).
  - Numerical modelling (Modflow 6).
- Speakers:
  - Prof. Adrian Werner
  - Dr Cristina Solórzano-Rivas
  - Dr Amir Jazayeri
- Fee: RM 300 for full day

# Deadline:

Milestone	Date	Remark
<ul style="list-style-type: none"><li>• Registration Open</li><li>• Closing of Extended Abstract submission</li></ul>	31 July 2023	<ul style="list-style-type: none"><li>• Presenters are encouraged to submit full paper for publication in scopus-indexed journal</li></ul>

Link for submission:  
<https://hydrogeology.hku.hk/apcamm2023/>

# Tentative Agenda:

DATE	EVENT	REMARK
21 Aug 2023	<ul style="list-style-type: none"><li>• Pre-conference Workshop / Dialogue</li></ul>	
22 Aug 2023	<ul style="list-style-type: none"><li>• Conference (Oral and Paper Presentation)</li></ul>	
23 Aug 2023	<ul style="list-style-type: none"><li>• Conference (Oral and Paper Presentation)</li><li>• Conference Dinner</li></ul>	
24 Aug 2023	<ul style="list-style-type: none"><li>• Field Visit</li></ul>	

# Registration & Fees:

- Registration fees: USD 100 (RM 450)
- Registration link: <https://forms.gle/HxqF6UpUUoaeDoKH7>
- Payment Process:

**IGM Bank Account**  **CIMB BANK**

Name: Institut Geologi Malaysia  
Account Number: 8001-2852-48  
Bank Branch: CIMB KL Gateway Mall  
Bank SWIFT Code: UMAL101014



# Full Paper Submission (optional):

Presenters are welcomed to submit papers on any of the conference themes. The paper will be published in Bulletin of the Geological Society of Malaysia. The Bulletin is indexed in the following abstracting and indexing services and databases: Scopus, AAPG Datapages and MyJurnal/MyCite.

The Bulletin of the Geological Society of Malaysia (ISSN 0126-6187; e-ISSN 2637-109X) first published in 1967, is a peer-reviewed open access interdisciplinary journal which publishes Earth Science research that addresses not only trending research areas but also multidisciplinary application topics. The scope of published articles covers engineering geology, environmental geology, geochemistry, geomorphology, geophysics, hydrogeology, mining geology, paleontology, petroleum geology, regional geology, sedimentology, stratigraphy, structural geology and tectonics.

The Bulletin supports researchers primarily focusing on Asia/SE Asia, but is not limited to this region, and publishes research papers of both scientific and technical nature that are of current interest and have potential impact on activities such as oil & gas exploration, mining, environmental issues, earthquakes, hazard assessment, disaster risk reduction and climate change adaptation. The Bulletin also promotes geological interest on subjects of a conservation nature such as geo heritage and geo tourism.

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Authors can self-archive all versions of their work in their own web pages, institutional web pages, and another repository.

**All correspondence pertaining to publication should be addressed to:**

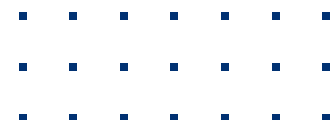
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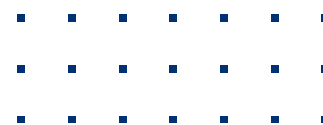
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